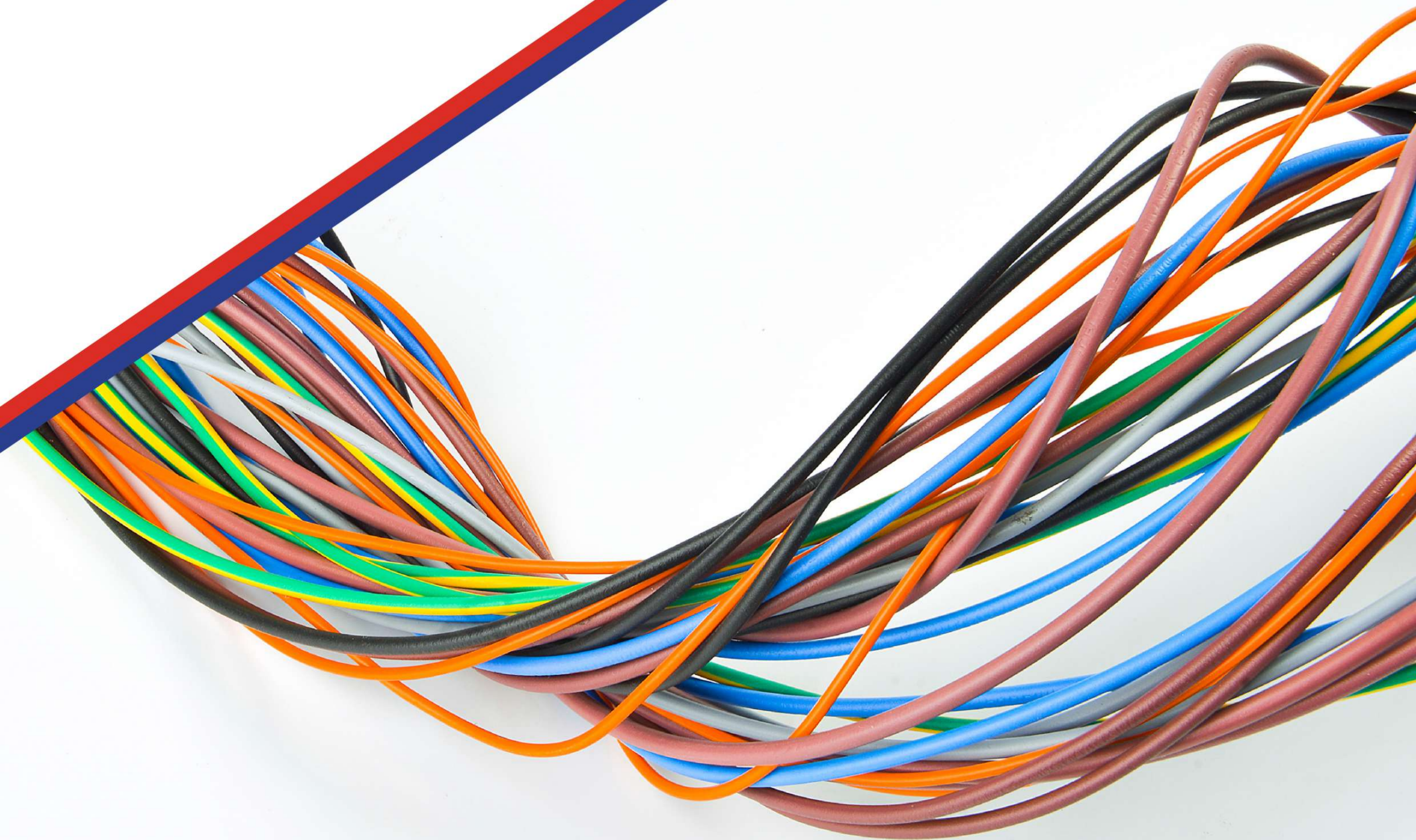


Nitto

Innovation for Customers

ELECTRICAL & ELECTRONIC PRODUCTS



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PRODUCTS LIST

P25-P26

No.201E / No.203E / No.21E

Plasticized PVC electrical tape with low VOC adhesive.

Premium grade, fully plasticized electrical insulation tape consisting of a pure lead free film with a primed low VOC rubber based pressure sensitive adhesive.



Features

- Lead and toluene free
- Excellent workability and conformability
- Easy, Consistent unwind. Non-flagging
- Excellent ageing & weatherability
- Water, vapour, flow resistance
- -18°C to 80°C operating temperature

Structure



Applications

- Insulation and protection of the lead-wire of electrical appliances and machines.
- Connection or splicing of electrical wires cables and cords.
- Wire and cable harnessing.
- Identification and wrapping of wires.
- Slippage prevention for hand tools, household items and sports equipment.
- Anti-corrosive, rust preventing or protecting purposes, with respect to pipes.

Line-up

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Carton Size
201E	0.15	18	20	Black, Red, Blue, White, Green/Yellow Stripe	160 Rolls
203E	0.18	18	20		
21E	0.20	19	20		

- Other colours, widths and lengths available on demand

Properties

Item	Unit	No.201E	No.203E	No.21E
Adhesion Strength (to steel)	N/19mm	3.88	3.10	3.35
Tensile Strength	N/19mm	59.33	71	64.5
Elongation	%	204	207	215
Withstand Voltage	KV/min	5.0	5.0	5.0
Volume Resistivity	Log ($\Omega \cdot \text{cm}$)	13.88	14.0	13.0

- No.201E / No.203E / No.21E Electrical Tapes comply with RoHS2

No.2100STVH

Vinyl adhesive tape for automotive applications.

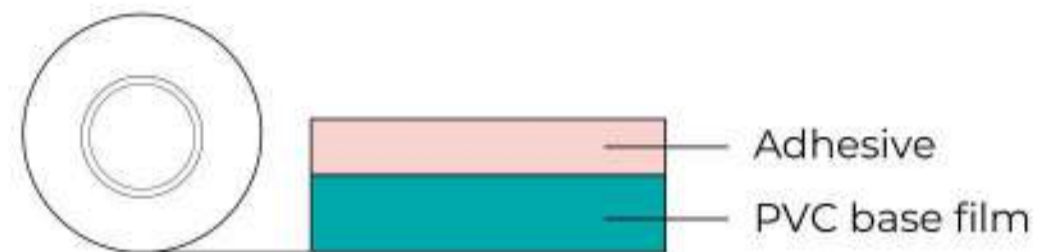
Bundling wire harnesses of automotive interior and automotive engine rooms.



Features

- Excellent workability and conformability.
- Easy, Consistent unwind and easy to tear.
- Non-flagging.
- Recovers after elongation.
- Operating temperature of -18°C to 80°C.

Structure



Applications

- Protecting and banding wire harnesses (electric wire) spread around automobiles.
- Identification and wrapping of wires.
- Colour coding of wires, cables and cords.
- General Insulation and protection of wires.

Line-up

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Carton Size
No.2100STVH	0.13	19	20	Black	200 Rolls
	0.13	25	20		

Properties

Item	Unit	No.2100STVH
Tensile Strength	N/19mm	40
Elongation	%	206
Volume Resistivity	Log ($\Omega \cdot \text{cm}$)	14.5
Withstand Voltage	3.5kV/MIN	Pass
Operating Temperature	(-18°Cx80°C)	No cracks, tear, melt, detrimental to use

- No.2100STVH complies with RoHS2

Flame Retardant PVC Electrical & Duct Tape

No.288EFR

Thin gauge flame retardant PVC tape for general insulation and wire harnesses.

A premium grade, fully plasticized electrical insulation tape consisting of a pure lead free film with a primed low VOC rubber based pressure sensitive adhesive.



Features

- Lead and toluene free.
- Excellent workability, easy unwind, recovered after elongation and highly conformable.
- Preferred choice for a light gauge flame retardant utility tape
- Water, vapour, flow resistance.

Applications

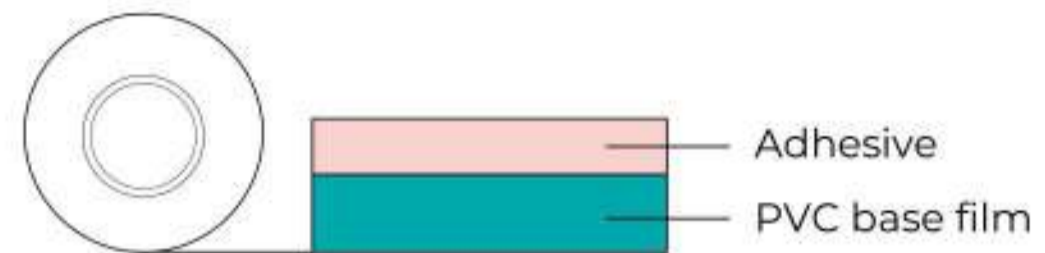
- Protecting and banding wire harnesses (electric wire) spread around automobiles.
- Identification and wrapping of wires.
- Colour coding of wires, cables and cords.
- General Insulation and protection of wires.
- Joining, Sealing, Protection of ducting, pipework and conduits - requirement flame retardancy.

Properties

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Carton Size	Tensile strength (N/19mm)	Adhesive strength (N/19mm)	Elongation (%)	Withstand voltage (2Kv/1min)	Volume Resistivity (Log Ω · cm)
No.288EFR	0.13	18	20	Black, Blue, Red, White & Green/Yellow Stripe	250 Rolls	46.78	3.85	220	Pass	2.5×10 ¹⁴
	0.13	48	30	Black, Silver	64 Rolls					

- No.288EFR Electrical/Duct Tapes comply with RoHS2

Structure



Vinyl Adhesive Tape

No.223SH

A standard tape meeting the UL standards.

This vinyl adhesive tape is used as a flame-retardant insulation of degaussing coils. The tape meets standards of the American UL (Underwriters Laboratories) and contributes to enhancing safety of electronic equipment and products



Features

- Offers superior flame -retardant and electrical insulation properties.
- Can be used for wrapping corners of degaussing coils.

Applications

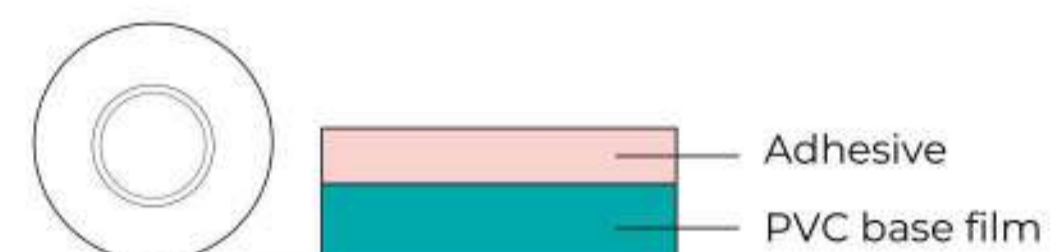
- Electrical insulation and binding of CRT degaussing coils.

Properties

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Carton Size	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown voltage (kV)	Volume Resistivity (Log Ω · cm)
No.223SH	0.3, 0.5	19, 25	20	Black, Blue, Red, White, Yellow, Green	200 Rolls	5.70	74.2	254	11.4	14.2

- No.223SH complies with UL510 Flame Retardant

Structure





Self Fusing Tape

No.11 / No.15/ No.66

Rubber- based self-fusing tapes that have excellent electrical properties

No.11, 15 are butyl rubber type self-fusing made of non-vulcanized butyl rubber. No.66 is a silicone rubber type self-fusing tape that is heat and weather resistant.

Features

No.11 & No.15

- Excellent in the electrical property, ozone resistance and weather resistance.
- Does not cause metal corrosion.
- Alternative to heat shrink - no heat source needed.

No.66

- Excellent heat/cold resistant capabilities.
- Superior chemical resistance.
- Excellent UV resistance.

Applications

No.11 & No.15

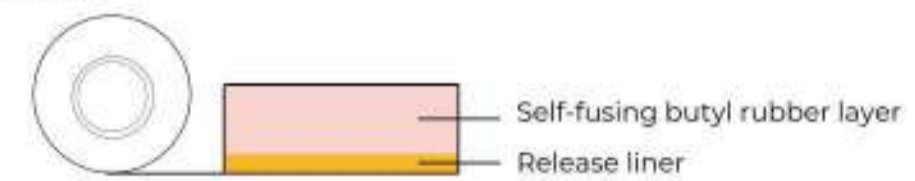
- Corona resistance insulation of HV cables.
- Processing and connecting electrical cable ends.
- Mechanical and corrosion protection of cables and conduits.
- Moisture sealing.
- Splicing of termination of wiring.

No.66

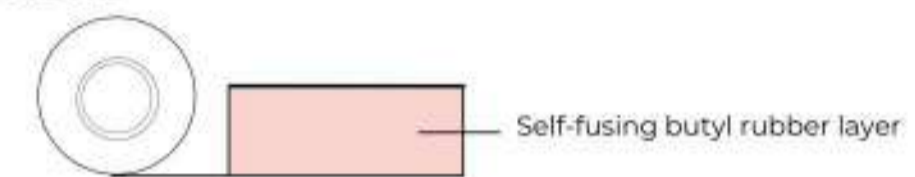
- Extreme / harsh environments protection and insulation of cables, wires, joints and connections.
- High voltage protection and insulation.

Structure

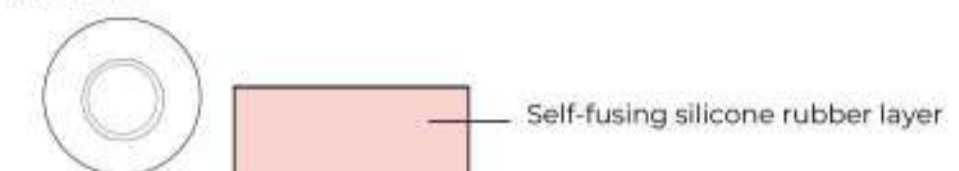
No.11



No.15



No.66



Line-up

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours
No.11	0.5	19	10	Black
No.15	0.5	19	10	Black
		50		
No.66	0.3, 0.5mm	19, 25	15	Red brown

Properties

Item	Unit	No.11	No.15	No.66
Tensile Strength	N/mm ²	3.2	3.1	25 Unit: N/19mm
Elongation	%	530	550	500
Breakdown Voltage	kV/mm	44	44	20
Volume Resistivity	Log (Ω . cm)	2×10 ¹⁷	2×10 ¹⁷	13.0

- No.11, No.15 & No.66 Butyl Tapes complies with RoHS2



PE Foam Double Coated Mounting Tape

No.N221

Double sided PE foam tape for temporary indoor mounting and joining.

Ideal for fixing name plates and electrical conduits that carry wiring.

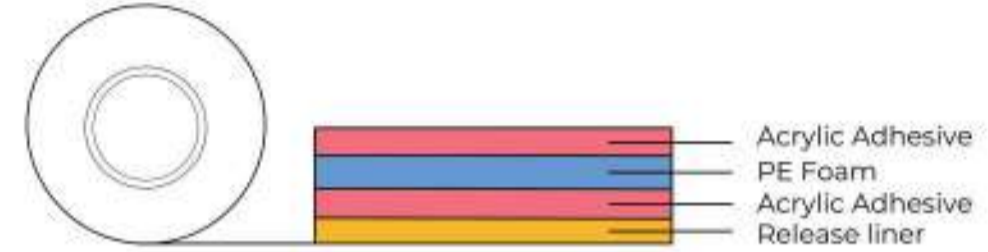
Features

- High level of flexibility, and good adherence to irregular surfaces.
- Ideal as a temporary holding-curing tape to position while liquid adhesive cures.
- High initial tack for indoor use.

Applications

- Mounting and joining electrical conduit channels, nameplates and emblems, signage, bathroom accessories, kitchenware, wall panels, trims etc.

Structure



Line-up

Product No	Thickness (mm)	Width (mm)	Length (M)	Carton Size
N221	1.0	12	10	1 roll
		18		
		24		



Premium - PE Foam Double Coated Mounting Tape

PF-370S

Double-Sided tape uses special flexible polyethylene foam as a carrier, coated with weather resistant adhesive on both sides.

Double-sided PE foam tape for indoor and outdoor fixing of construction materials while liquid adhesives harden.

Features

- High level of flexibility, and excellent adherence to rough and irregular surfaces.
- Excellent adhesion sufficient to hold or fix while the liquid adhesive for actual bonding is hardened.
- High initial tack for indoor outdoor use.

Applications

- Mounting and joining electrical conduit channels, nameplates and emblems, signage, bathroom accessories, kitchenware, wall panels, trims etc.

Structure



Properties

Product No	Thickness (mm)	Width (mm)	Length (M)	180° peeling strength (N/20mm)	Holding Strength Vertical (Unit MM/HR)	Shear Strength Stainless Steel (N/20mm)
PF-370S	1.00	12, 18, 24	10	17.0	1.0	140.0

- PF-370S Double Coated Mounting Tape complies with RoHS2



EPDM Foam

EPTSEALER™ EE-1000 SERIES

High performance modified EPDM foam for durable long term use.

Highly flexible material that can be adapted to seal almost any surface application, including uneven surfaces.

Features

- Superior resistance to cold, heat and chemicals with high weatherability.
- Has excellent noise reduction and thermal insulation properties.
- Ideal for sealing of air, water and dust of the most complex of gaps.

Applications

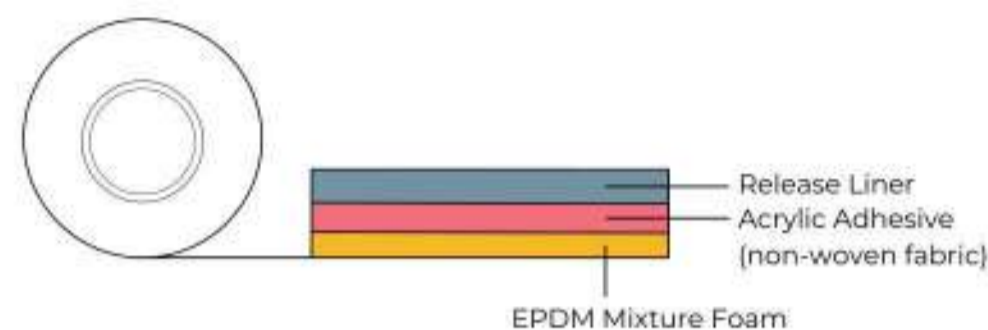
- Can be used in areas where substrates under expansion and contraction would otherwise cause breakage and create paths for water ingress. E.g. Switchboards

Properties

Product No	Thickness (mm)	Width (mm)	Length (M)	Carton Size	Density (g/cm ³)	Tensile Strength (N/cm ²)	Elongation (%)	Compression Hardness (N/cm ²)	
								25%	50%
EE-1010	10	20	7.5	1 Roll	0.11	8.0	450	0.33	0.45

Structure

EE-1010



Glass Cloth Tape

No.185 / No.188UL

Super strong electrical insulation tape that offers reliable adherence.

No.185 is a heat-resistant adhesive tape featuring superior physical strength and electrical insulation properties. No.188UL is a heat-resistant electrical insulation tape that offers superior heat resistance, mechanical strength and flame retardancy (UL certified).



Features

- Offers superior physical strength and electrical insulation properties.
- Offers superior thermal insulation.
- Thermosetting properties offer enhanced solvent and wax resistance by heating.
- Heating significantly increases adhesive strength.

Applications

- Outer and interlaminar insulation for heat-resistant transformers.
- Covering of parts.
- Outer insulation for and bundling of coils.

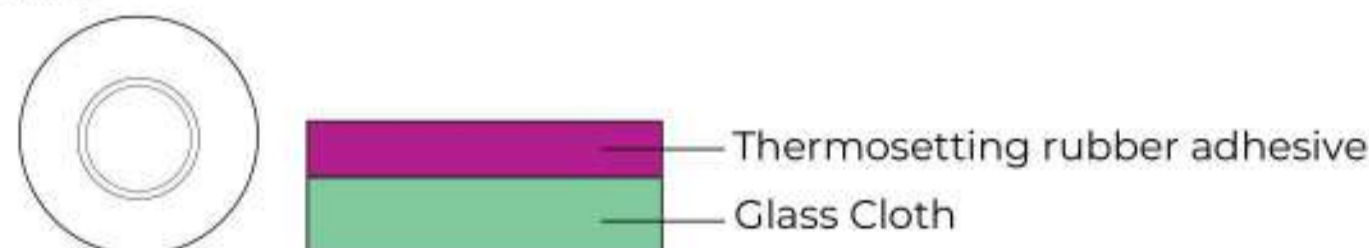
Properties

Product No	Thickness (mm)	Length (M)	Colour	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown Voltage (kV)	Electrolytic corrosion factor
No.185	0.17	20	White	7.5	500	8	3.0	0.8 or more
No.188UL	0.18	33	White	6.7	600	5	3.5	0.96

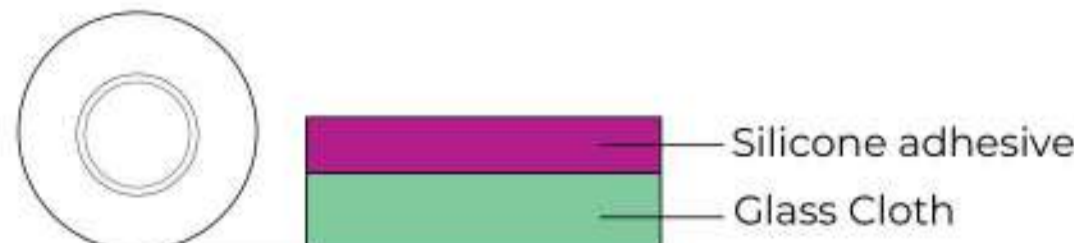
- No.188UL (UL510 Flame Retardant) & complies with REACH-SVHC
- No.185 & No.188UL complies with RoHS2

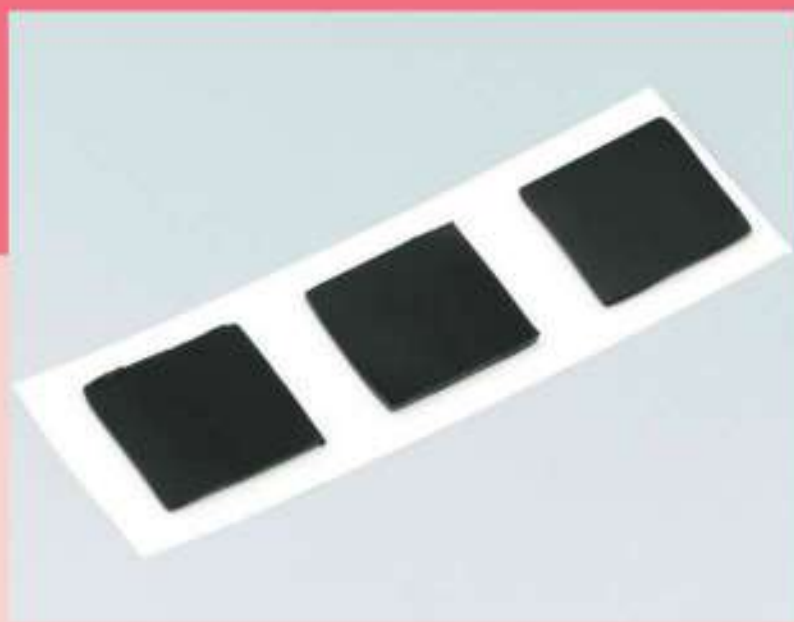
Structure

No.185



No.188UL





Waterproof Joints

NF Series

This material is for insulating electrical cord/wire harness junctions. It offers many years of performance and reliability.

Ideal for sealing of air, water and dust of the most complex of gaps.

Features

- All in one solution (Insulate, waterproof, protect).
- Excellent adhesion to roughened surfaces and electrical cords.
- Flame-retardant (oxygen index 29.0)
- Pre-cut to size. Just peel and use.
- Lead free and halogen free.
- PVC backing (NF-500PV) is lead-free in consideration of the environment.

Applications

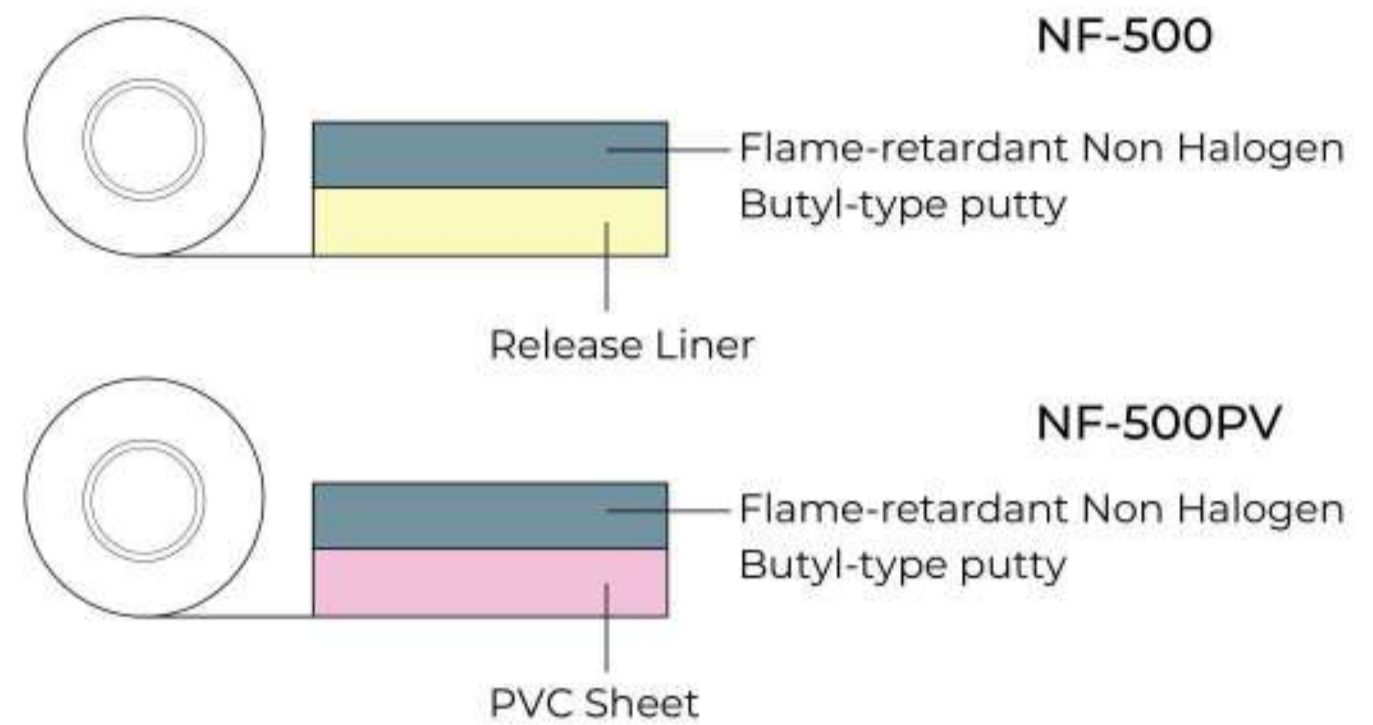
- Insulating and waterproofing harness joints, connections, and divergences.

Properties

Product No	Colour	Thickness (mm)	Width (mm)	Length (M)	Dielectric strength (kv/min)	Volume resistivity ($\Omega \cdot \text{cm}$)
NF-500	Black	1.5	20	20, 40, 60	5.0 and more	8×10^{13}
NF-500PV		1.7, 2.4, 3.2	37, 13	37, 40, 48		

- NF-Series complies with RoHS2

Structure



Waterproof Joint Cover

NF-800BX

Waterproof cover material, which is injected the flame-retardant butyl putty into PP moulded cover.

Easy work of setting wire connecting part in moulded cover. Excellent moisture-proof, water-proof and electrical insulation.

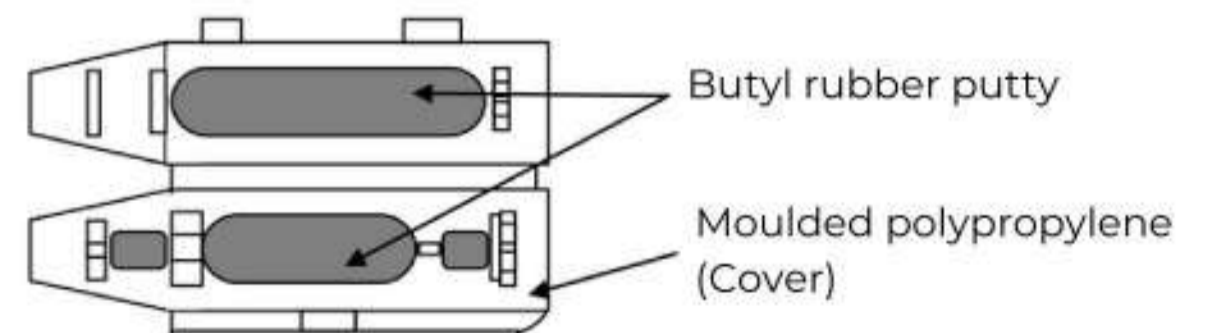
Features

- Putty does not use halogen and phosphorus-based flame retardant, that confirm the environment.
- Excellent workability.

Applications

- For small electrical cable divergences.
- Insulating and sealing joint parts, junction parts.

Structure



Properties

Product No	Size	No; brand cables that can be attached	The largest OD of cable (mm)	Airtightness	Insulation resistance constant M Ω	Oxygen Index
NF-800BX	Small	1 or 2 cables	1.6	0.5kg/cm ² ×over30min	Over 100	Over 24
	Large		2.6			

Acetate-Based Adhesive Tape

No.5/No.5EG/No.151UL/No.153/No.155/No.156A

Acetate cloth adhesive tape offers superior heat resistance and flexibility

Electric insulation tape made of acetate cloth, coated with acrylic and rubber adhesives. No.151UL is UL certified flame-retardant adhesive tape. It is used for insulating electrical and electronic devices, insulating/protecting/bundling wire harnesses, etc.

Features

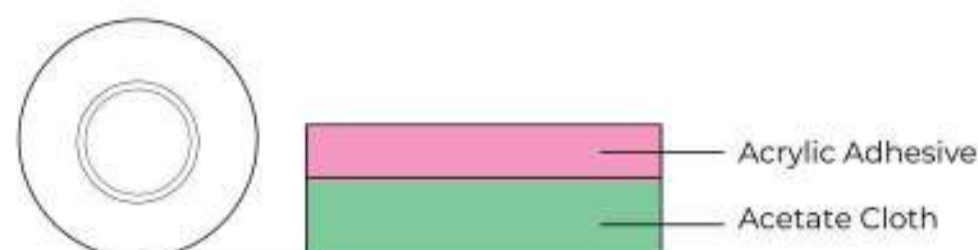
- Excellent workability.
- Excellent flexibility makes it ideal for bundling irregularly shaped electrical cables.
- Excellent anti-corrosion properties.
- Low VOC makes this an eco-friendly tape. (No.5EG)
- An eco-friendly tape with no halogen. (No.151UL)

Applications

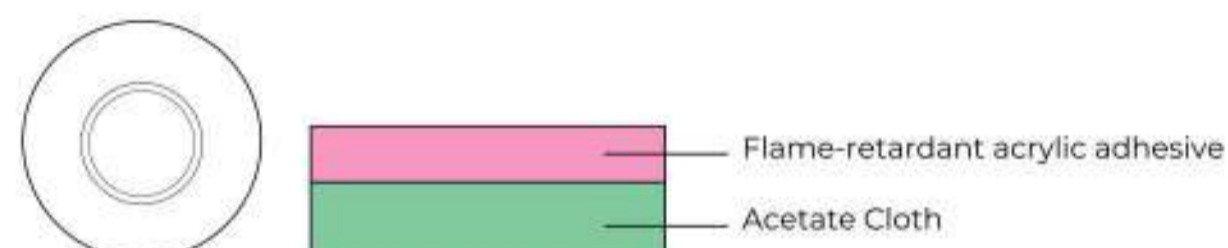
- Outer insulation and termination of coils.
- For bonding wire harness on home appliances (No.151UL)

Structure

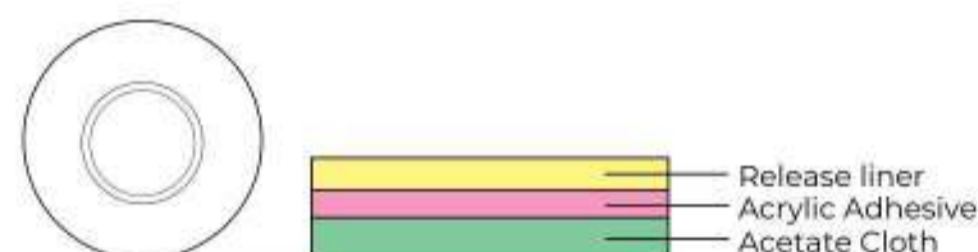
No.5, No.5EG



No.151UL



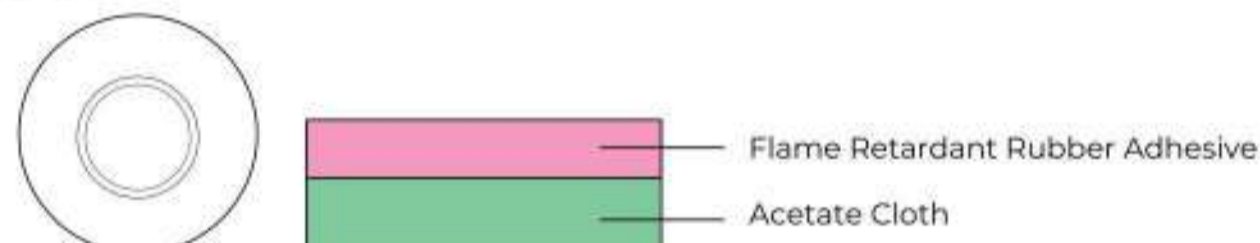
No.153



No.155



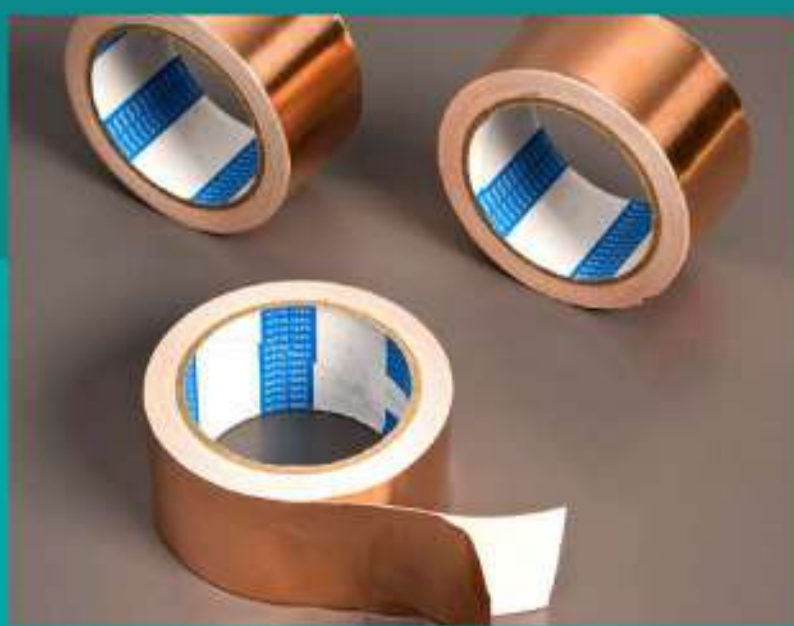
No.156A



Properties

Product No.	Thickness (mm) Total (Backing)	Standard Length (m)	Colours	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown voltage (kV)
No.5	0.23 (0.18)	30	White, Black	6.0	120	20	3.0
No.5EG	0.23 (0.18)	20	Black	5.0	120	20	3.0
No.151UL	0.23 (0.18)	50	Black	5.0	120	20	3.0
No.153	0.21 (0.18)	50	White, Black	10.0	120	20	3.0
No.155	0.23 (0.18)	30	Black	8.0	130	20	3.0
No.156A	0.25 (0.18)	30	White, Black	8.0	130	20	2.0

- No.151UL (UL 510), No.156A (UL 510)
- All tapes comply with RoHS2



Copper Foil Conductive Tape

P-391 CO

Combines outstanding adhesion, interlining to permit ease of die cutting and the highest EMI/RFI shielding effectiveness available in a pressure-sensitive tape.

Improved conformability making it ideal in aerospace and electrical markets.

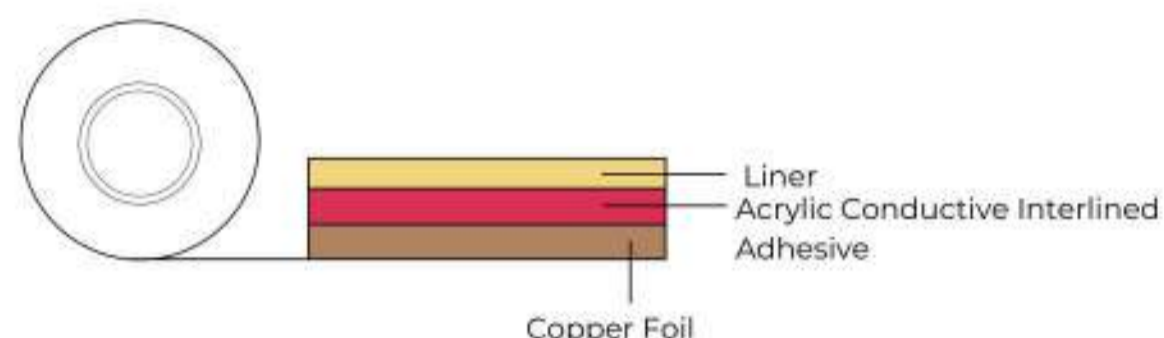
Features

- Offers outstanding solvent resistant adhesion.
- Coated paper protective interliner makes for easy die-cutting.
- Provides performance with economy.
- Electro-deposited copper foil backing is soft annealed for superior conformability and excellent solder-ability.
- Quick and easy to apply.

Applications

- Widely used on a transformer and reactor coils and instruments and control motors.
- Acts as an effective shielding enhancement wrapped over woven braid shielded cable and is an ideal supplemental shield at seams, joints and access doors and covers of electronic cabinetry enclosures.

Structure



Properties

Total tape thickness (mm)	Colour	Elongation (%)	Tensile Strength (N/20mm)	Adhesion to steel (N/20mm)	Insulation Class
0.089	Copper	6%	94.56	11.16	155°C

- P-391 CO complies with RoHS2 & UL510.



Nomex™ Based Adhesive Tape for Heat-resistant Insulation

No.380 / No.386UL

Superior heat resistance with stable electrical insulation even under high temperature.

Heat-resistant NOMEX is used as a substrate. Useful for electrical insulation and battery electrode insulation which requires heat resistance. No.386UL is a flame retardant adhesive tape certified by UL.

* NOMEX™ is a registered trademark of DuPont.

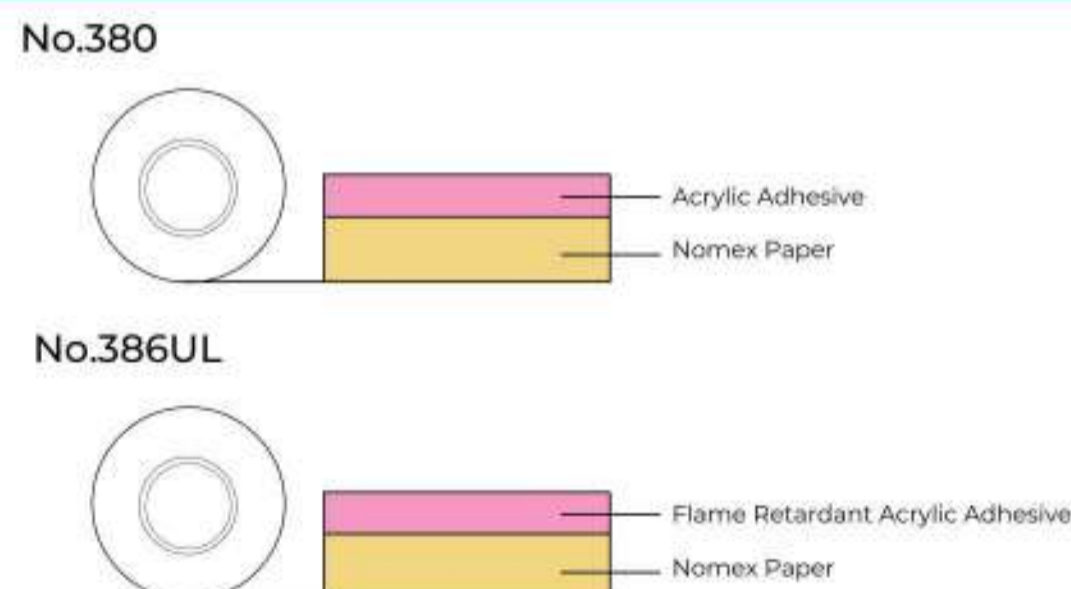
Features

- Offers superior electrical insulation.
- Offers superior flame retardancy.
- Offers superior heat resistance.
- Available in long lengths (up to 300m).

Applications

- Outer insulation and termination of coils.
- Heat-resistant electrical insulation.
- Battery electrode insulation.

Structure



Properties

Product No	Thickness (mm) Total (Backing)	Standard length (m)	Colour	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown Voltage (kV)	Electrolytic corrosion factor
No.380	0.100 (0.050)	50	White	8.0	80	10	3.0	0.95 or more
	0.130 (0.075)			7.5	140	10	3.5	0.95 or more
No.386UL	0.120 (0.050)	50	White	6.5	80	10	3.0	0.9 or more
	0.140 (0.075)			6.5	140	10	3.5	

- No.386UL (UL 510)
- No.380 & No.386UL complies with RoHS2

Polyester Adhesive Tape

No.31 Series / No.315

Used for outer/interlaminar insulation of transformers and coils.

Tape developed for outer/interlaminar insulation of transformers and coils. Nitto has a wide lineup of backing thicknesses and adhesive types/colors; the tapes can be used for various applications.



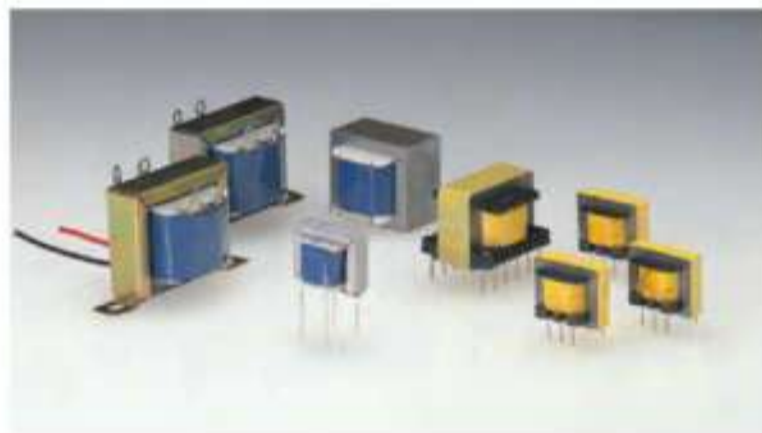
No.31 Series

Features

- Offers superior electrical insulation.
- Offers superior dimension stability.
- Offers superior heat resistance.
- Narrow width processing is available.
- Available in long lengths

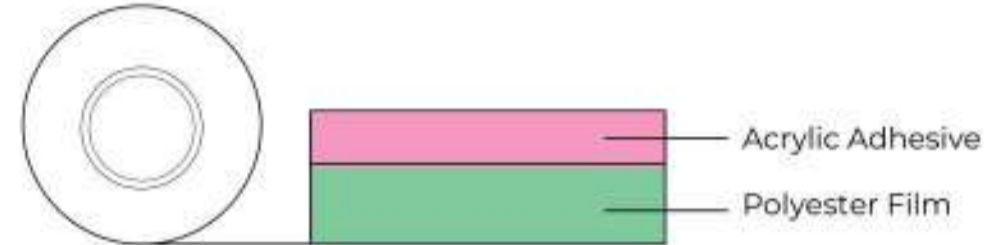
Applications

- Electrical insulation of transformers and coils



Structure

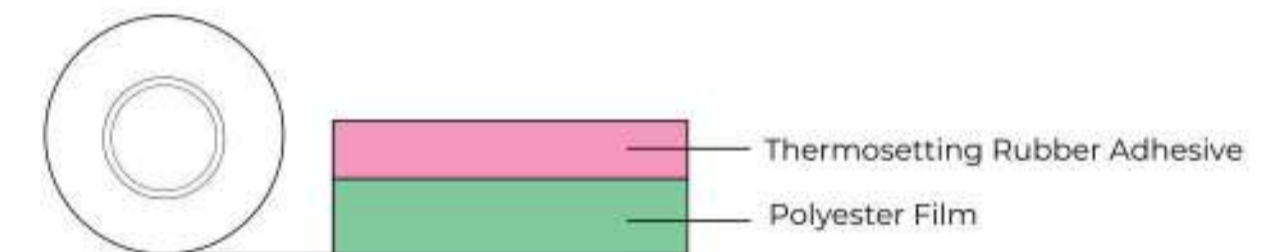
No.31B, No.31C, No.31RH



No.31D, No.31E



No.315



Properties

Product No.	Thickness (mm) Total (Backing)	Standard length (m) 【Core diameter (mm)】	Colours	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown voltage (kV)	Electrolytic corrosion factor
No.31B	0.053 (0.025)	50 【75φ】	Transparent	5.5	100	110	5.5	1.00
	0.080 (0.050)			7.5	196	130	8.0	
No.31C	0.053 (0.025)	50 【75φ】	White, Yellow, Red, Green, Blue, Black	5.5	100	110	7.0	
	0.080 (0.050)			7.5	196	130	11.0	
No.31RH	0.053 (0.025)	50 【75φ】	Transparent	6.5	100	110	5.5	
	0.053 (0.025)		White, Red, Green, Blue, Black	6.5	100	110	7.0	
No.31D	0.053 (0.025)	50 【75φ】	Transparent	5.5	100	110	5.5	
	0.080 (0.050)			7.5	196	130	8.0	
No.31E	0.053 (0.025)	50 【75φ】	White, Yellow, Red, Blue, Black	5.5	100	110	7.0	
No.315	0.060 (0.025)	50 【75φ】	Transparent	12.0	100	110	5.5	
	0.085 (0.050)			14.5	196	130	8.0	
	0.060 (0.025)		Yellow	12.5	100	110	7.0	
	0.085 (0.050)			14.5	196	130	11.0	

- No.31 Series & No.315 complies with RoHS2 & REACH-SVHC



Flame-retardant Polyester Adhesive Tape

No.3161FR Series

Flame-retardant polyester tape is UL-510FR certified at 130 temperature rating.

Electrical insulation adhesive tape consists of polyester film backing, coated with flame-retardant acrylic adhesive.

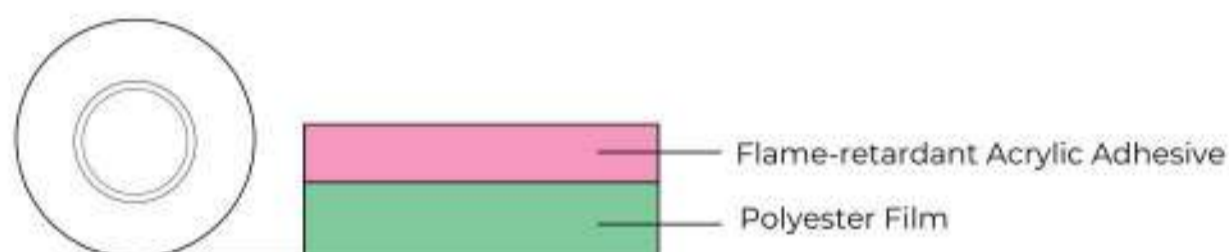
Features

- Offers superior electrical insulation.
- Does not contain Polybrominated Biphenyl or Polybrominated Diphenylethers to comply with RoHS2 regulations.

Applications

- Outer/interlaminar insulation of power switching transformers and ordinary power transformers.
- Outer/interlaminar insulation for the high frequency chalk coil, high voltage transformer.

Structure



Properties

Product No.	Thickness (mm) Total (Backing)	Standard length (m) 【Core diameter (mm)】	Colours	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown voltage (kV)	Electrolytic corrosion factor
No.3161FR1	0.054 (0.025)	50 【75φ】	Milky	8.0	100	110	6.0	1.00
			White, Yellow, Red, Green, Blue, Black				7.0	
No.3161FR2	0.080 (0.050)		Milky	9.0	196	130	8.0	

- No.3161FR Series (UL510) complies with RoHS2 and REACH-SVHC



Polyester Adhesive Tape

No.336 / No.337

Thin backing and thick adhesive layer make No.336/No.337 adhesive tape deal for plating masking.

Thin backing and thick adhesive layer makes the tape ideal for heat-resistant plating masking. Almost no plating solution leaks in so it exhibits high reliability.

Features

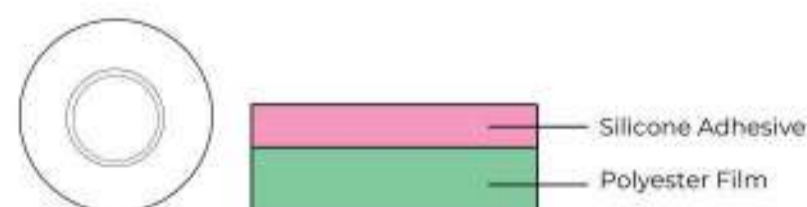
- Film is thin and offers excellent flexibility.
- Has thick adhesive layer so almost no plating solution leaks in.

※ Resistability of plating solution. Backing will be changed weaker when it soaked in heated alkali solution by long hours using.

Applications

- Heat-resistant masking.

Structure



Properties

Product No	Thickness (mm) Total (Backing)	Standard length (m)	Colour	Peel adhesion (N/19mm)	Tensile strength (MPa)	Elongation (%)	Breakdown Voltage (kV)	Electrolytic corrosion factor
No.336	0.060 (0.025)	33	Transparent, Blue	6.4	130	80	5.4	1.00
	0.080 (0.050)			6.6	170	100		
No.337	0.100 (0.025)	33	Blue	6.5	130	80	5.5	

- No.336 & No.337 complies with RoHS2 and REACH-SVHC



Composite Adhesive Tape

No.340 / No.341 Series, No.343B

High-electrical insulation and tracking-resistant properties that contribute to increasing the compactness of coils and transformers

High-insulation adhesive tape with an acrylic adhesive applied to a composite substrate of nonwoven fabric and polyester film.

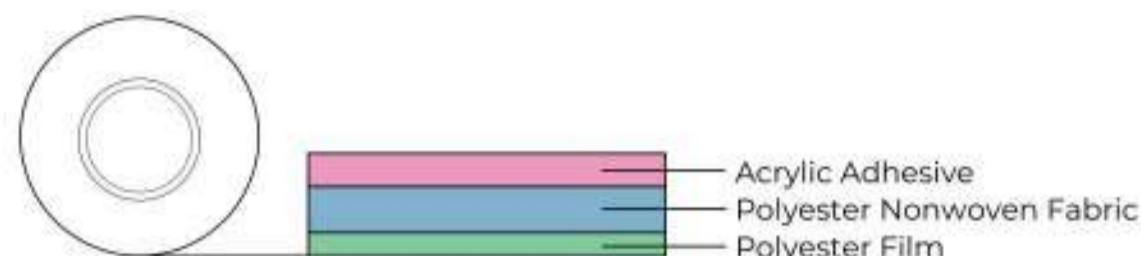
Features

- Adheres well to coils, etc., and offers superior flexibility.
- Heating increases adhesive strength.
- Offers superior electrical insulation.
- Complies with PLC-O of UL-746A (CTI: 600U or more).
- Conforms to CTI grade I of IEC-950.

Applications

- Outer insulation and termination of coils.
- Barrier insulation of transformers and coils.

Structure



Properties

Product No.	Thickness (mm) Total (Backing)	Standard length (m)	Colours	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown voltage (kV)	Electrolytic corrosion factor
No.340	0.240 (0.180)	50	White, Blue	7.5	170	60	5.5	0.98 or more
No.341F	0.420 (0.350)	50, 200	White, Blue	6.0	120	60	5.5	0.98 or more
No.341A	0.250 (0.160)	100	White, Blue	10.5	130	100	9.0	0.98 or more
No.343B	0.420 (0.370)	30	White	17.0	205	33	8.0	0.98 or more

- No.343B complies with UL510 Flame Retardant
- 340 / No.341 Series, No.343B complies with RoHS2



Polyimide Adhesive Tape

No.360 Series

Heat-resistant electrical insulation.

Widely used in a variety of applications, such as heat-resistant electrical insulation, heat-resistant masking, component mounting reflow processes, and the manufacturing processes of various types of electronic components

Features

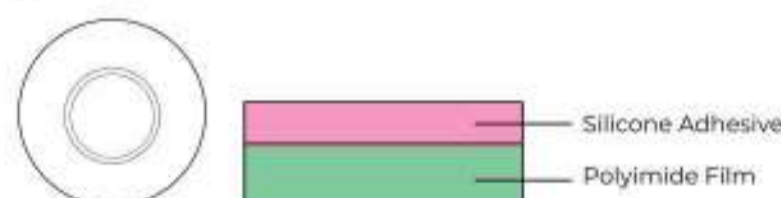
- Offers superior electrical insulation properties.
- Offers superior dimension stability.
- Offers superior heat resistance.
- Available in long lengths.

Applications

- Heat-resistant masking.
- Heat-resistant electrical insulation

Structure

No.360UL



No.360A



Properties

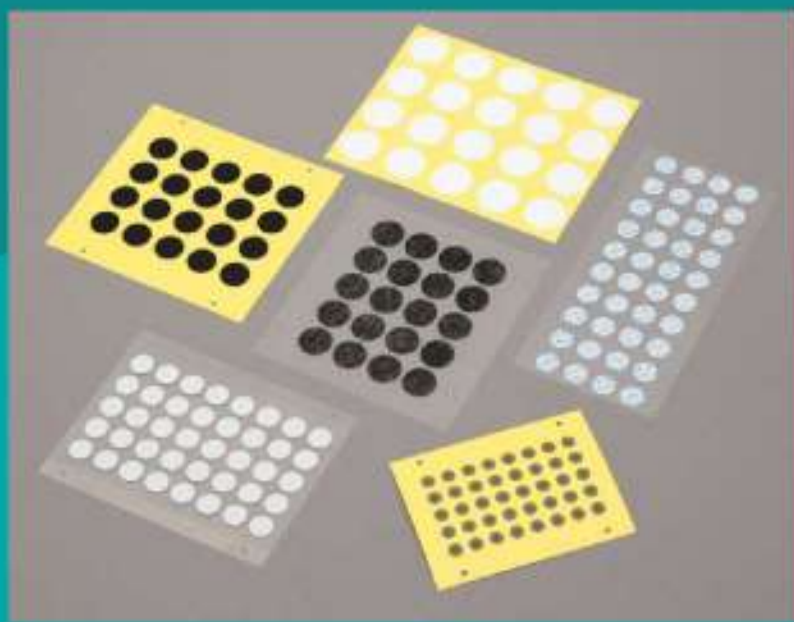
Product No	Thickness (mm) Total (Backing)	Standard length (m)	Colour	Peel adhesion (N/19mm)	Tensile strength (N/19mm)	Elongation (%)	Breakdown Voltage (kV)	Electrolytic corrosion factor
No.360UL	0.060 (0.025)	20	Light Amber Brown	5.4	145	65	8.0	1.00
	0.090 (0.050)			5.4	250	65	11.0	
No.360A	0.053 (0.025)	20	Light Amber Brown	4.0	145	65	8.0	1.00
	0.080 (0.050)			4.4	250	65	11.0	

- No.360UL (UL510)
- No.360 & No.360A complies with RoHS2 and REACH-SVHC

TEMISH™ Punched Products

Perform functions of waterproof and dustproof while adjusting internal pressure by micro pore.

Adjust differential pressure of housing and prevent damage while performing functions of waterproof and dustproof.

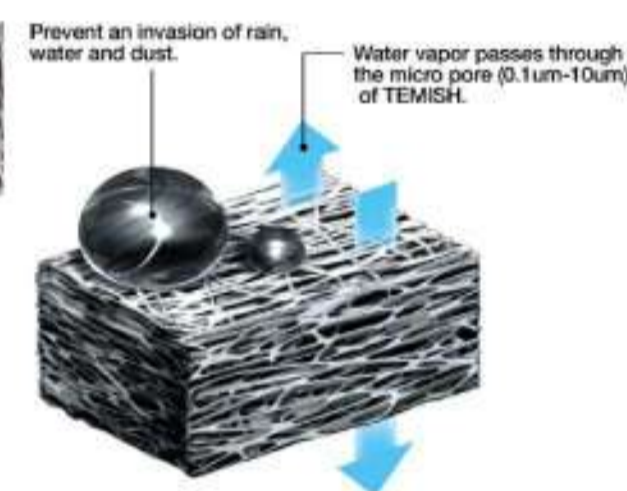
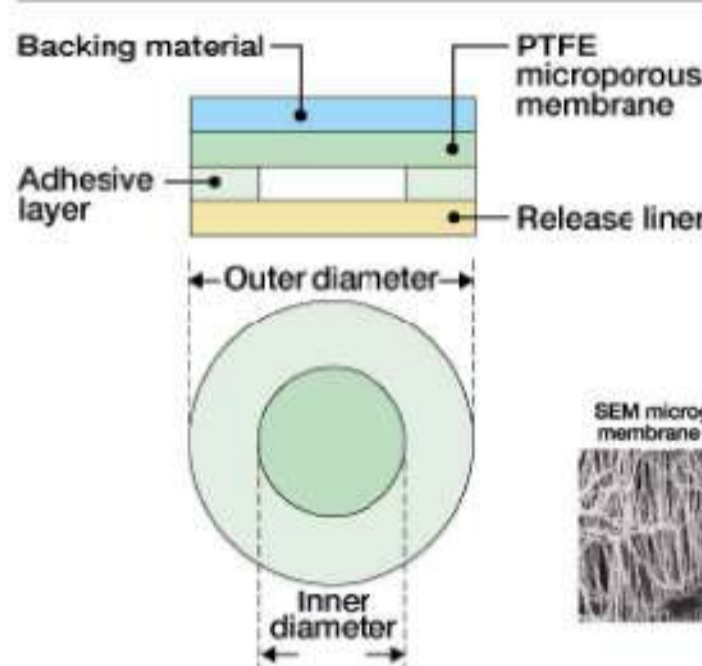


Features

- Available in differential pressure adjusting of parts or device such as automotive part, mobile phone, household electric appliances, OA parts, exterior equipment etc, and prevent damages of cases due to differential pressure changed.
- Perform functions of waterproof and dustproof and prevent pollution and water invasion inside the case while having air permeability.
- There are various types for membrane pore size, and laminated products with various backing materials are available. Depending on the various applications, it possibly selects products from our line up.
- Meet user's needs of processing by various sizes and shapes.

Structure

Composition of general type



Application Examples

Consumer / Commercial / Home appliance



Product Lineup

Membrane Material Type				
Application Examples: Bottle Cap, Automotive ECU etc.				
Item	Thickness [mm]	Gurley[sec]	Frazier [cm3/cm2/s]	Water entry pressure [kPa]
S-NTF8031	0.13	5	-	100 ※ 3
S-NTF810A	0.3	7	1500	20 ※ 3

Laminated General Type.				
Application examples: sensor, communication device, video equipment, automotive lamp, cellular phone (simple and normal waterproof type) etc.				
Item	Thickness [mm]	Gurley[sec]	Frazier [cm3/cm2/s]	Water entry pressure [kPa]
S-NTF1026-N07	0.1	10	-	200 ※ 2
S-NTF1033-N07	0.1	(0.3)	5	7 ※ 2
S-NTF1026-N01	0.35	10	-	200 ※ 2
S-NTF1033-N01	0.35	(0.3)	5	7 ※ 2

Laminated Black Coloured Type				
Application examples: Shaver, cellular phone, horn, toner cartridge, ink cartridge etc.				
Item	Thickness [mm]	Gurley[sec]	Frazier [cm3/cm2/s]	Water entry pressure [kPa]
S-NTF2122A-S06	0.2	35	-	250 ※ 2
S-NTF2131A-S06	0.2	12	-	100 ※ 2
S-NTF2133A-S06	0.2	4	-	30 ※ 2
S-NTF2026A-N07	0.1	10	-	200 ※ 2

Application Examples: Bottle Cap, Automotive ECU etc.				
Item	Thickness [mm]	Gurley[sec]	Frazier [cm3/cm2/s]	Water entry pressure [kPa]
S-NTF8031	0.13	5	-	100 ※ 3
S-NTF810A	0.3	7	1500	20 ※ 3

Vent Filter

TEMISH™ Z Series

It can be installed for sealing case. Perform excellent waterproof and air permeability due to the membrane with micro pore.

Perform new functions by the parts type product which TEMISH combined with a moulded item such as plastic or thermoplastic elastomer etc. Further, it realizes reduction of the number parts or workload, thereby achieves total cost performance.



Features

- Excellent features such as cold resistance and heat resistance.
- By oleophobic performance, it is able to prevent penetration of window washer liquid and automotive related oil.
- By excellent durability, it's suitable for internal pressure adjustment of automotive ECU.
- It is possible to install in any direction with "one touch" easy installation method

Applications

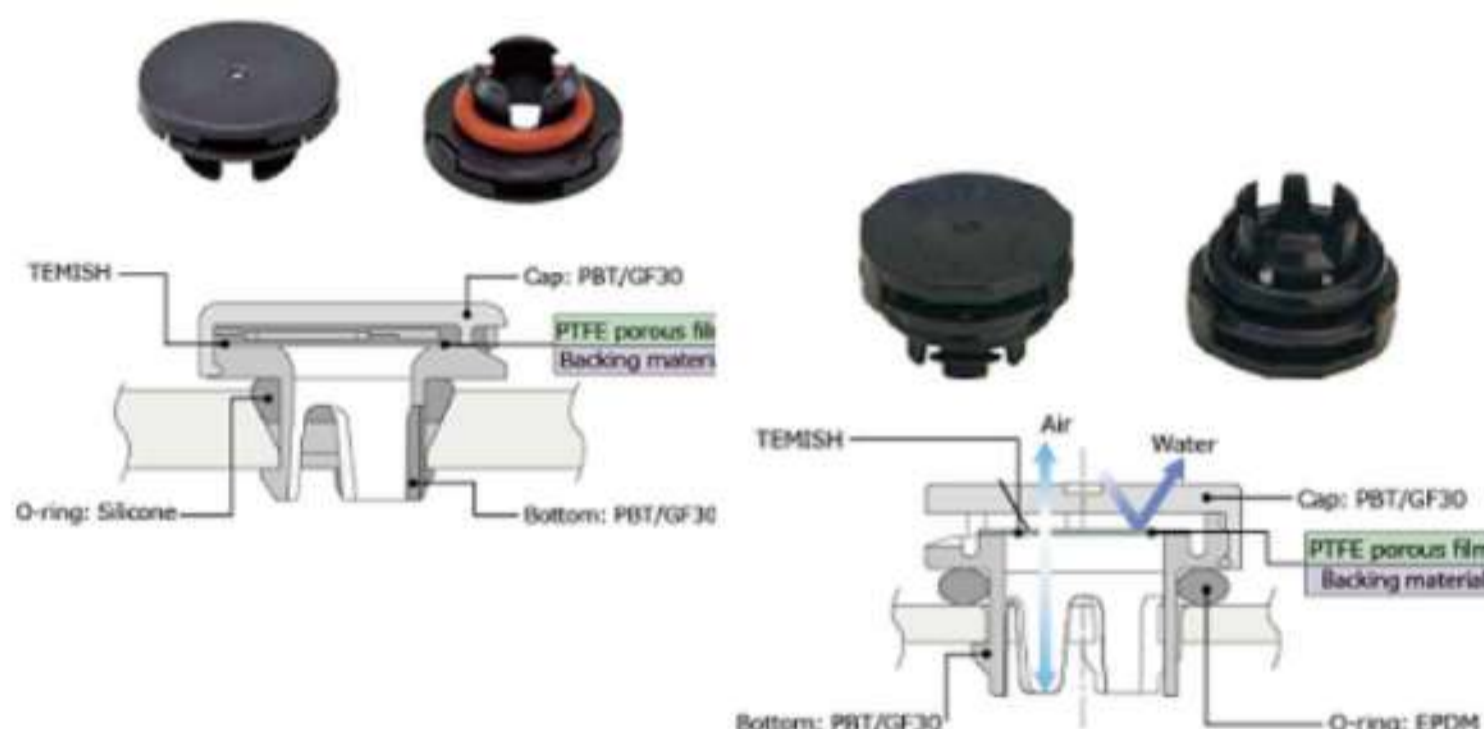
- Adjusting internal pressure for various ECU case.
- Lamp
- Motor
- Lighting equipment

Properties

Item	Air permeability [cm ³ /min]		Water entry pressure [kPa]		High water pressure resistant test [IPX9K]
Z3-NTF210SE	130	※1	100	※3	No water ingress (with protector)
Z-PLUG-S	130	※1	20	※3	No water ingress
ZH-PLUG-S	260	※1	3	※2	No water ingress
ZH2-PLUG-S	500	※1	100	※3	No water ingress

- TEMISH™ Z Series complies with RoHS2

Structure



Vent Filter

TEMISH™ Capseal

Lamp Applications

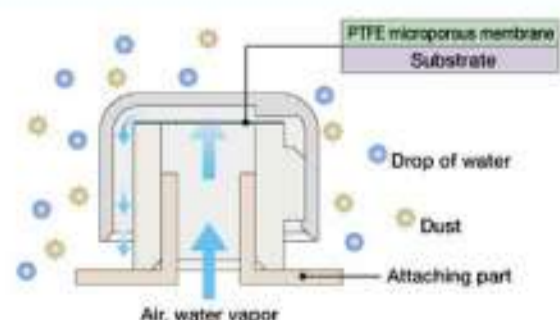
- C2-NTF1026-L01 (Fog lamp, Rear lamp)
- C2-NTF9208-L01 (Head lamp, Rear lamp)
- C2-NTF130SL (Head lamp)
- C2-NTF210SL (Fog lamp)
- C2-NTF220SL (Fog lamp, Rear lamp)



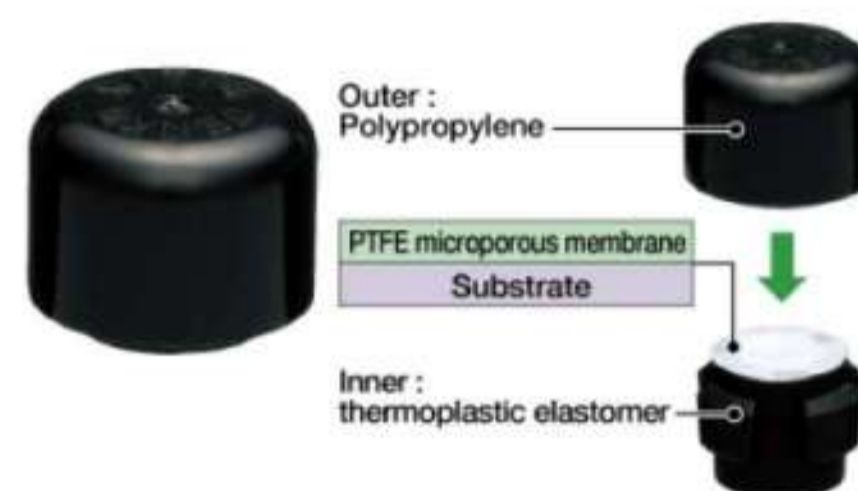
Features

- Filter is protected by the cap to prevent directly damage to membrane.
- High water resistance, high ventilation and oleophobic types are available.

Function



Structure



Properties

Item	Feature	Colour (Outer)	Air permeability [cm ³ /min]		Water entry pressure [kPa]	
C2-NTF1026-L01	High water resistance	Black	50	※1	100	※3
C2-NTF9208-L01	High air permeability	Gray	1500	※1	20	※3
C2-NTF130SL	High air permeability	Brown	13000	※1	3	※2
C2-NTF210SL	Oleophobic / High water resistance	Blue	50	※1	100	※3
C2-NTF220SL	Oleophobic / High air permeability	Green	1500	※1	200	※3

- TEMISH™ Capseal complies with RoHS2



Insulation Paper

NTN

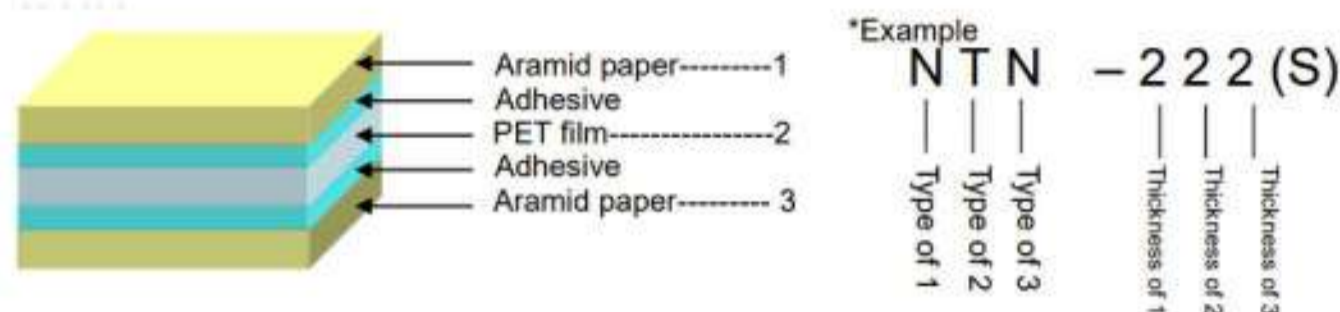
Excellent Heat and Weather Resistance Multi-layered Laminate Material

Insulating paper is a multilayer laminate product offering excellent insulation, heat-resistance, and mechanical strength. It has achieved many satisfactory results, especially as a motor insulating material.

Features

- This compound laminate is a combination of a remarkably heat-resistant sheet and strong film, providing excellent insulation, heat-resistance, and mechanical strength.

Structure



Applications

- Motor and generator slot insulator

Properties

Product No.	Nominal Thickness μm	Tensile strength (N/15mm)		Edge Burst Strength Resistance (N/20mm)		Breakdown phenomenon (kV)		Comparative Tracking Index (V)	Structure			
		Room Temperature		Room Temperature		Min.	Ave.		Aramid paper-1	PET -2	Aramid paper-3	Adhesive
		Height	Width	Height	Width							
NTN-222(S)	180	273	206	559	435	11.8	12.9	500 (PLC rank 1)	2 (50)	2(50)	2 (50)	Urethane Type
NTN-252(S)	250	389	340	893	797	17.2	17.5			5(125)		
NTN-272(S)	320	467	564	1225	1104	22.0	22.7	7(188)				
NTN-2102(S)	380	562	598	1526	1244	23.8	24.9	10(250)				
NTN-5105(A)	480	716	731	1895	1808	25.8	26.1	14(350)				

- NTN complies with RoHS2 and REACH-SVHC



Cloth Tape

No.756

Nitto No.756 cloth tape is constructed from a carrier of spun Rayon and coated with a high performance quick grab, high tack rubber based adhesive.

Features

- High tensile strength and low elongation.
- Quick wet-out high strength adhesive.
- High flexibility for lay-up on irregular surfaces.
- Easy hand tearable.

Applications

- General entertainment – coloured position marking tape.
- Securing cables to all types of flooring.
- General bundling.

Structure



Properties

Product No	Thickness (mm)	Standard Widths (mm)	Standard Lengths (M)	Colours	Adhesive Strength [N/25mm]	Holding Power [mm/30min]	Tensile strength [N/25mm]	Unwinding Force [N/25mm]	Elongation [%]
756	0.23	25, 38, 50, 60, 75, 100	25, 50	White, Red, Blue, Yellow, Green, Black, Silver, Pink, Light Blue, Beige.	24.20	0.1	186	2.8	12

Professionals Choice Sealing & Joining Tape

No.204E

Nitto 204E is the preferred choice for HVAC-R installers.

It is a premium grade, fully plasticized electrical insulation tape consisting of a pure lead free film with a primed low VOC rubber based pressure sensitive adhesive.



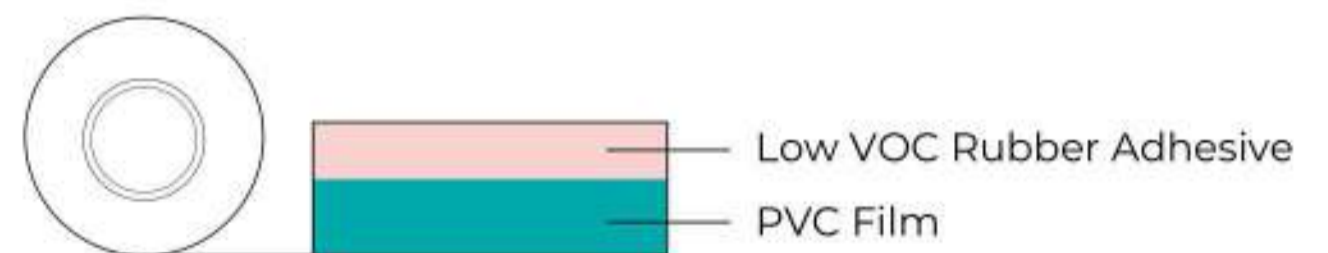
Features

- Lead & Toluene Free.
- Excellent workability and conformability.
- Easy, Consistent unwind. Non-flagging.
- Excellent ageing & weatherability.
- Water, vapour, flow resistance.
- Operating temperature of -18°C to 80°C

Applications

- HVAC ducting.
- Joining and sealing of pipework.
- Above and below ground conduit.

Structure



Properties

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Tensile Strength (gf/19mm)	Unwind Force (gf/19mm)	Elongation [%]	Volume Resistivity (Log Ω . cm)	Adhesion to Steel (gf/19mm)	Temperature (C°)
No.204E	0.13	48	30	Silver, Black, White	50	660	206	1x10	13.88	-10 to 90°

- No.204E Duct Tape complies with RoHS2

No.203E / No.21

Plasticized PVC electrical tape with low VOC adhesive.

Nitto PVC tape is a premium grade, fully plasticized electrical insulation tape consisting of a pure lead free film with a primed low VOC rubber based pressure sensitive adhesive.



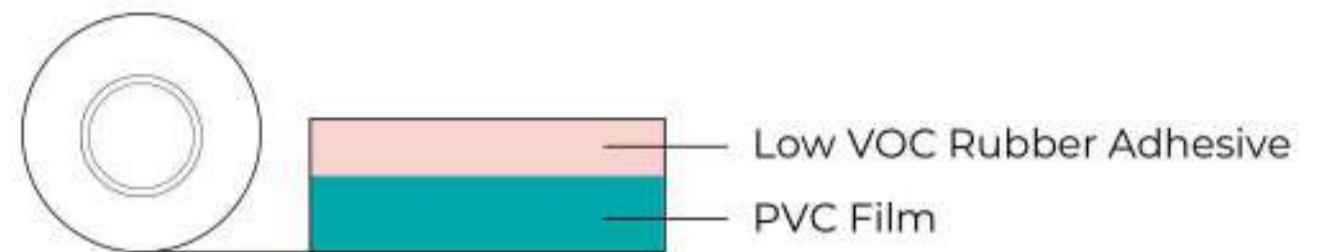
Features

- Lead and toluene free.
- Excellent workability and conformability.
- Easy, Consistent unwind. Non-flagging.
- Excellent ageing & weatherability.
- Water, vapour, flow resistance.
- -18°C to 80°C operating temperature.

Applications

- Insulation and protection of the lead-wire of electrical appliances and machines.
- Connection or splicing of the electrical wires cables and cords.
- Wire and cable harnessing.
- Identification and wrapping of wires.
- Slippage prevention for hand tools, household items and sports equipment.
- Anti-corrosive, rust preventing or protecting purposes, with respect to pipes.

Structure



Line Up

Product No	Thickness (mm)	Width (mm)	Length (M)	Colours	Carton Size
203E	0.18	18	20	Orange, Black, Grey, Purple	160 Rolls
21	0.20	19	20	Clear	

- Other colours, widths and lengths available on demand

Properties

Item	Unit	No.203E	No.21
Adhesion Strength (to steel)	N/19mm	3.10	3.35
Tensile Strength	N/19mm	71	64.5
Elongation	%	207	215
Withstand Voltage	KV/min	5.0	5.0
Volume Resistivity	Log ($\Omega \cdot \text{cm}$)	14.0	13.0

- No.203E / No.21 Electrical Tapes comply with RoHS2



Double Coated Adhesive Tape

No.5233N

Double coated thick adhesive tape with rubber pressure-sensitive adhesive.

Suitable for temporary or long term fixing applications. The tapes thick adhesive adheres well to both smooth and rough surfaces.

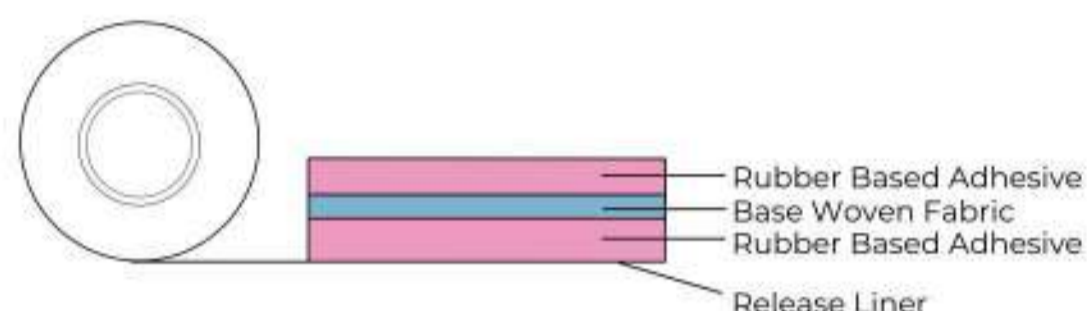
Features

- Superior adhesion to uneven surfaces.
- Offers superior cushioning characteristics.
- No adhesive leakage and applies cleanly.
- Not to be used on wooden floor as it may cause damage to the surface when peeling off.

Applications

- Fixing Tape for floor and construction panels.

Structure



Properties

Product No.	Thickness (mm)	Width (mm)	Length (M)	Carton Qty	Tensile Strength (N/cm)	Elongation (%)
No.5233N	0.5	25, 30, 40, 50	15	60, 48, 36, 30	53	14

Temperature	Peeling Adhesion (N/25mm)	Shear adhesion (N/cm ²)	Retention force (min)	Peeling Adhesion (Carpet)	Peeling Adhesion (Veneer)
0°C	18	Over 120	-	7	7
23°C	13	84	-	5	9
40°C	9	54	54	5	9

- No.5233N complies with RoHS2 and REACH-SVHC



Washi Masking Tape

No.7288

Ultra-strong washi masking tape that can be unwound and applied easily without the tape tearing upon application.

Can be unwound and applied easily without the tape tearing upon application. Washi paper backing with acrylic adhesive.

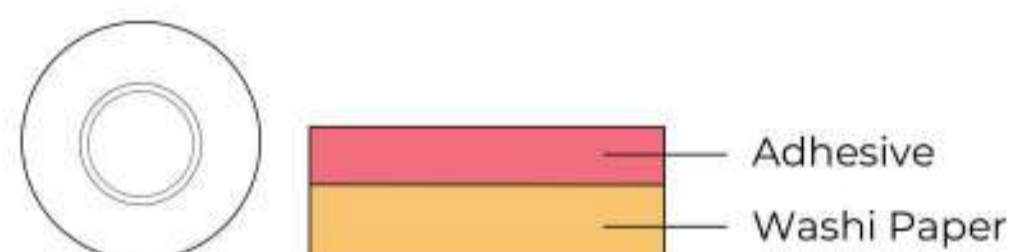
Features

- Excellent paint break lines.
- Easy to tear by hand & controlled unwinding force.
- Suitable for waterborne and solvent based paint types; backing of the tape does not repel paint.
- Easily removed up to 60 days from application.
- Suited for outdoor use due to its good ageing and weatherability properties.

Applications

- Masking for painting and others.
- Holding masking paper and cure sheet.

Structure



Properties

Product No	Thickness (mm)	Standard Widths (mm)	Standard Lengths (M)	Colour	Carton Size (Rolls)	180° Adhesion strength [N/18mm]	Lap joint adhesion (N/18mm)	Unwinding Force (N/18mm)	Elongation (%)	Tensile Strength (N/18mm)
7288	0.09	24, 36, 48	50	Yellow	99, 63, 45	3.94	3.10	6.38	5.6	54.0

- No.7288 complies with RoHS2 and REACH-SVHC



Aluminium Foil Tape

No.4650

Dead soft aluminium foil tape with a silicone protective coating engineered to handle a wide range of industrial and aerospace applications.

Acrylic adhesive/foil backing construction makes for a vapour-tight seal that effectively combats moisture, contamination and corrosion.

Features

- Aggressive, custom-formulated adhesive adheres tightly when smoothed down on work surfaces.
- Dead soft aluminium foil backing provides excellent conformability.
- Easy to handle, easy to apply and readily conforms to irregular surfaces.
- Aging is practically non-existent because of the inherent stability of aluminium foil.

Applications

- Sealing duct joints in heating and air-conditioning systems
- Highly recommended for waterproof sealing of drums and canisters, edge sealing of double-panel thermo windows, and, for heat shielding and elimination of "hot spots" in small appliances.

Properties

Product No.	Foil Thickness (mm)	Total Thickness (mm)	Standard Width	Length (M)	Peel Strength (N/25mm)	Tensile strength (N/25mm)	Elongation (%)	Service Temperature °C	Application Temp Range °C
4650	0.07	0.11	50, 60, 75, 100	50	18	100	3.5	-20 ~ +120	+10 ~ +40

Structure



Aluminium Foil Tape

P-11

Solvent resistant dead soft aluminium foil tape with a high performance acrylic adhesive engineered for a wide range of aerospace, electrical and industrial applications.

Aging is practically non-existent because of the inherent stability of the aluminum foil.

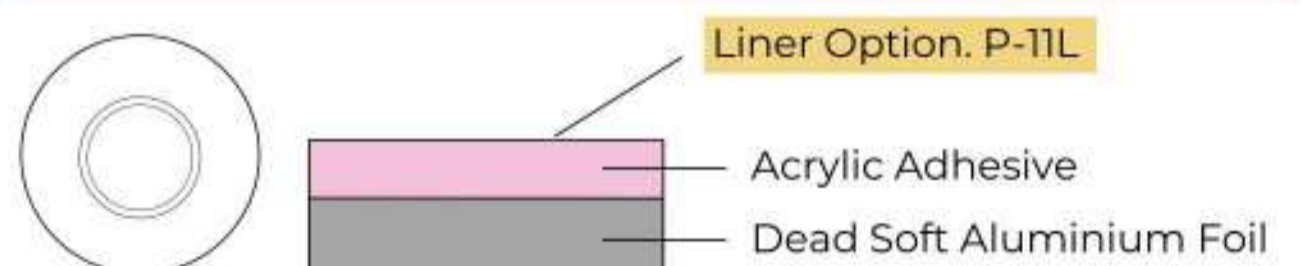
Features

- Aggressive, custom-formulated adhesive adheres tightly when smoothed down on work surfaces.
- Permits clean and easy tape removal, with no residue.
- Dead soft aluminum foil backing provides excellent conformability and solvent resistance.
- Easy to handle, easy to apply and readily conforms to irregular surfaces.
- Acrylic adhesive tape with foil backing makes for a vapor-tight seal that effectively combats moisture, contamination and corrosion.

Properties

Product No	Foil Thickness (mm)	Total Tape Thickness (mm)	Width (inch)	Length (YD)	Colour	Tensile strength (N/10mm)	Elongation (%)	Adhesion to Steel (N/10mm)
P-11	0.076	0.127	1/2", 1", 2"	60	Aluminium	50	5.5	6.5

Structure



Applications

- Offers the ultimate moisture vapour protection for drums, canisters, edge sealing of double-pane thermo windows, heat shielding and to help eliminate "hot spots"
- Holds protective drapes during the stripping process; forming a trough to help divert chemical wash.

- P-11L (Liner option) offers a paper liner for ease of use when working with wide widths or die cutting precision parts, such as window masking.

AS Series

Anti-skid tapes are designed for the purpose of slip prevention in areas with slippery steps or slopes, as well as high risk workplaces.

There are two options: AS-117 for flat surfaces and AS-127 for uneven surfaces



Features

- AS-117: Polyester substrate non-skid tape for flat and slippery surfaces. Prevents accidents on stairs, slopes, and other hazardous sites.
- AS-127: Apply to irregular surfaces outdoor. The base material is made of aluminium-foil to match various contours. Excellent durability for long-lasting non-skid effect.

Structure



Applications

- For skid prevention on steps and ramps in factories, stations, and various facilities

Properties

Product No.	Thickness (mm)	Width (mm)	Length (M)	Carton Qty	Colours	180° peeling force (For stainless plate) [N/20mm]	Tensile Strength [N/20mm]
AS-117	1.0	50, 100, 400	5	12, 6, 2	Black	18.00	150
AS-127	1.0	50, 100, 150, 400	5	12, 6, 6, 2	Green, Black, Yellow & White	18.00	150



Putty Tape No.12FB

Self-amalgamating putty tape

A soft and tacky putty tape. These properties are appreciated for applications where the temperature is low or where a more sticky putty is required.

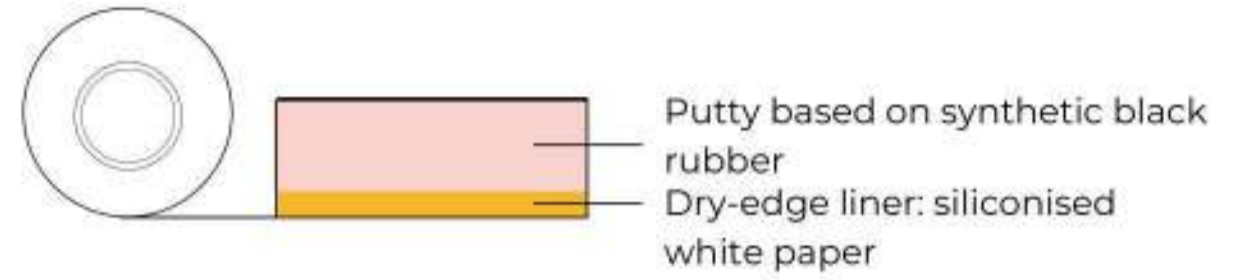
Features

- Reliable sealing and anti corrosion coating.
- Levels out contoured surfaces.
- Minimum overlap percentage required.

Applications

- In some applications, the additional use of a primer can be considered for optimum results.
- In general you can find insulation putty's in the following applications:
 - cable splices
 - cable terminals as insulation seal
 - cable jacket repair
 - pipes, joints and fittings
 - very suitable as filling and additional sealant in shrinkable sleeves

Structure



Line-up

Product No	Thickness (mm)	Width (mm)	Length	Carton Size (rolls)
12FB A	1	30, 40, 60, 80	20, 10	8, 25, 15, 10
12FB B	2.3	25, 50	10	16, 8
12FB C	3.0	38	1.5	10

Properties

Item	Unit	12FB A	12FB B	12FB C	Test Method
Weight	g/m ²	1155	2660	3640	
Yield Strength	g/6mm	75	150	250	ASTM D 638
	g/mm ²	10	11	13	
Elongation at break	%	3000%	3000%	3000%	ASTM D 1000
Needle penetration	mm	4.6	4.6	5.5	ASTM D 5
Self-amalgamating property		No flagging	No flagging	No flagging	ASTM D 1373
		No unwinding	No unwinding	No unwinding	
Breakdown voltage	kV/mm	17	17	17	ASTM D 1373
Volume resistivity		1x10exp10 ohm.cm			ASTM D 257



Thick-type PVC Heavy Duty Tape

No.51A

Nitto vinyl tape PVC 51A is designed for the corrosion protection of buried objects.

The rubber-based pressure sensitive adhesive layer forms a perfect air and moisture tight seal around pipes. Maximum corrosion protection is guaranteed if Nitto PVC 51A is used in conjunction with other Nitto products.

Features

- Usable in a wide range of temperatures.
- Excellent Impact resistance and weather resistance.
- Designed for corrosion protection of buried objects.
- Adhesive provides air and moisture seal.
- Use primer or filler in harsh environments

Applications

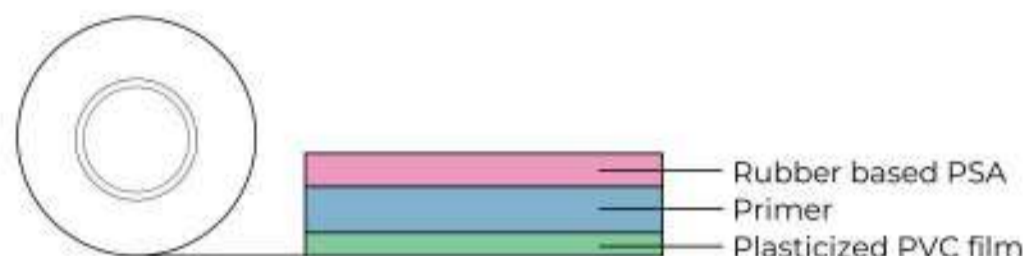
- For the protection of pipe-work against corrosion, including joints and elbows under severe environmental conditions, above ground and below (eg. mines, chemical plants).
- It is widely used in combination with a primer or Nitto 12FB.
 - Application temperature: -25 °C to +70 °C
 - Service temperature: -45 °C to +70 °C

Properties

Product No.	Thickness (mm)	Width (mm)	Length (M)	Colour
No.51A	0.40	25, 38, 50	10, 30.5	Black

Tensile Strength (N/10mm)	Elongation at break (%)	Adhesion to Steel (N/19mm)	Adhesion to backing (N/19mm)	Withstand Voltage (-)	Volume Resistance (log Ω · cm)
85.0	290	4.00	2.83	5.0kV/minute withstand	13.6

Structure



Butyl Rubber Adhesive Polyethylene Tape

No.13

A Heavy duty Polyethylene-substrate butyl rubber tape

Excellent tracking resistance, ozone resistance and weather resistance. Ideal for cable protection and cable waterproofing applications.

Features

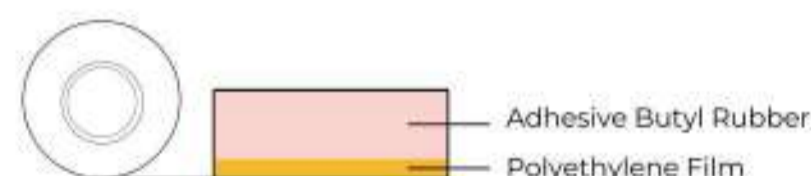
- Excellent insulation properties.
- Tested to Sunshine Weatherometer equivalent to 10 years.

Applications

- Electrical Insulation and protection outdoors

Properties

Structure



Product No	Thickness (mm)	Width (mm)	Length (M)	Tensile Strength (N/19mm)		Elongation (%)		Breakdown Voltage (kV/m)	Volume resistivity (Ω-cm)	Adhesion (Self-fusing) (N/19mm)
				Normal	After Heating	Normal	After Heating			
No.13	0.5	19	10	39.0	36.7	530	505	34.2	7×10	34.4

High Performance PVC Vinyl Tape

No.228CN

High voltage flame retardant PVC Electrical Tape UL rated

Heavy Duty PVC electrical tape that provides excellent insulation to conductors whilst providing a high elongation property that still makes it extremely workable and conformable to wiring. It is flame retardant & well suited for outdoor use making it the perfect choice for demanding applications.



Features

- Easy to use (smooth unwind, easy hand tear).
- Flexible film.
- Adheres to irregular surfaces.
- Conforms to UL510A.

Applications

- Used in aboveground Powerline applications (Phasing colour identification).
- Colour Coding.
- Phasing Identification.

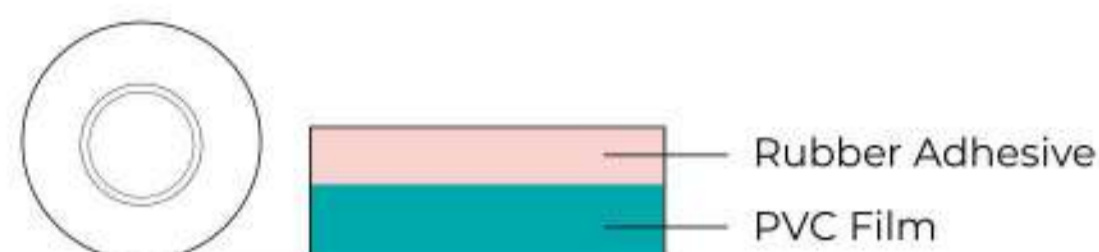
Properties

Product No.	Thickness (mm)	Width (mm)	Length (M)	Carton Size	Colour
No.228CN	0.19	19	20	160 Rolls	Black, Blue, Red, White

Adhesion to Steel (N/19mm)	Adhesion to backing (N/19mm)	Unwinding Force (N/19mm)	Tensile Strength (N/19mm)	50% Modulus (%)	Elongation (5kV/min)	Volume Resistance (log Ω · cm)	Breakdown Voltage (Kv)
4.01	3.85	6.3	69.2	31.4	225	12x10	9.5

- No.228CN complies with RoHS2

Structure



Self Fusing Tape

No.66 Silicone

Self-fusing tape which offers excellent heat and weather resistance.

Adhesive tape which utilizes properties of remarkably heat-resistant, weather-resistant self-fusing tape and silicone resin.



Features

- Excellent heat/cold resistant capabilities.
- Superior chemical resistance.
- Excellent UV resistance.
- High voltage protection and insulation.

Applications

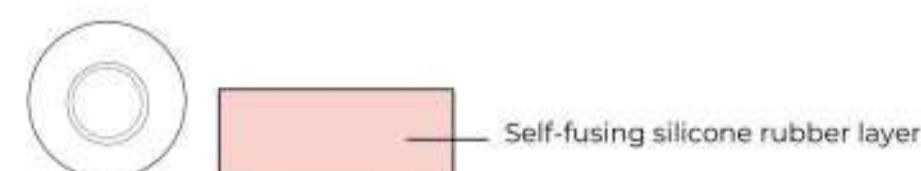
- Meets a wide range of needs, from insulating material for electric equipment, to insulation, protection, and bundling of automobile wire harnesses.

Properties

Product No	Thickness (mm)	Standard Widths (mm)	Standard Lengths (M)	Colour	Tensile Strength (N/19mm)	Elongation (%)	Breakdown Voltage (kV/mm)	Volume resistivity (Log (Ω · cm))
No.66	0.3	19	10	Red Brown	70	500	20	13.0

- No.66 complies with RoHS2

Structure



Special Varnish Cloth Tape

VTT-Y

A thin insulating cloth, combining cotton or glass cloth as a base material with varnish or silicon, is widely used among our customers.

Insulation performance affects all aspects of the device's performance, from properties and reliability to lifespan. For many years now, electric insulating cloth has been the material of choice for such insulating material.



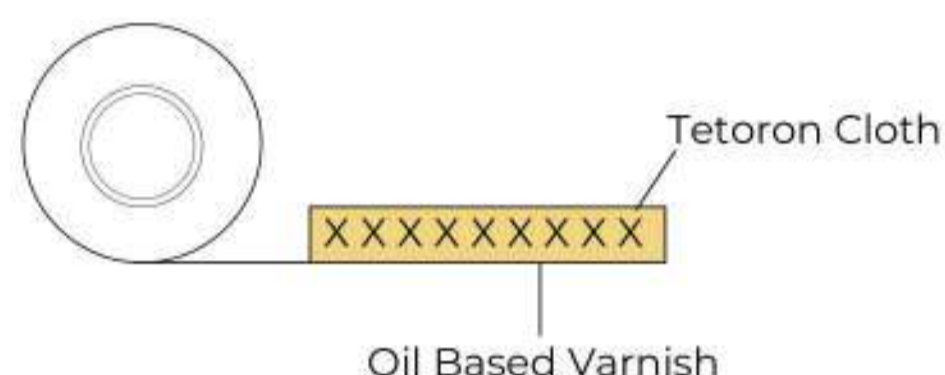
Features

- Varnished Tetoron Cloth Tape is an electrical insulating material impregnated with varnish to tetron cloth (non-adhesive product).

Applications

- Outer layer insulation of electrical parts and electrical equipment (transformer, motor etc).
- Nitto Varnish Cloth tape range is available in a variety of grades to suit specific electrical applications.

Structure



Properties

Product No.	Thickness (mm)	Width (mm)	Length (M)	Colour	Material Structure		Max Allowable Temp
					Carrier	Applied Varnish	
No.VTT-Y	0.08	13-1100	45	Yellow	Tetron cloth	Oil-based Varnish	120
	0.10						
	0.13						
	0.18	13-1040					

- No.VTT-Y complies with RoHS2

PRODUCTS LIST

Product	Product No.	Thickness (mm)	Width (mm)	Length (M)	Colour	Page
PVC Electrical Tape	No.201E	0.15	18	20	Black, Red, Blue, White, Green/Yellow Stripe	1
	No.203E	0.18	18	20		
	No.21E	0.20	19	20		
PVC Wire Harness Tape	No.2100STVH	0.13	19 & 25	20	Black	2
Flame Retardant PVC Electrical & Duct Tape	No.288EFR	0.13	18	20	Blue, Blue, Red, White, Green/Yellow Stripe	3
		0.13	48	30	Black, Silver	3
Vinyl Adhesive Tape	No.223SH	0.3, 0.5	19, 25	20	Black, Blue, Red, White, Yellow, Green	3
Self-Fusing Tape	No.11	0.5	19	10	Black	4
	No.15	0.5	19, 50	10	Black	4
	No.66	0.3, 0.5	19, 25	10	Red Brown	4
PE Foam Double Coated Mounting Tape	No.N221	1.0	12, 18, 24	10	Foam	5
	PF-370S-Premium	1.0	12, 18, 24	10	Foam	5
Sealing Foam (EPDM)	EE-1000 Series	10	20	7.5	Black Foam	6
Glass-Cloth Tape	No.185	0.17	-	20	White	6
	No.188UL	0.18	-	33	White	6
Waterproof Joints	NF-500	1.5	20	20, 40, 60	-	7
	NF-500PV	1.7, 2.4, 3.2	37, 13	37, 40, 48	-	7
	NF-800BX (Cover)	Small / Large	-	-	-	7
Acetate-Based Adhesive Tape	No.5	0.23	-	30	White, Black	8
	No.5EG	0.23	-	20	Black	8
	No.151UL	0.23	-	50	Black	8
	No.153	0.21	-	50	White, Black	8
	No.155	0.23	-	30	Black	8
	No.156A	0.25	-	30	White, Black	8
Copper Foil Conductive Adhesive Tape	P-391 CO	0.089	-	-	Copper	9
Nomex™ Based Adhesive Tape	No.380	0.10, 0.13	-	50	White	9
	No.386UL	0.12, 0.14	-	50	White	9
Polyester Adhesive Tape	No.31B	0.053, 0.08	-	50	Transparent	10
	No.31C	0.053, 0.08	-	50	White, Yellow, Red, Green, Blue, Black	10
	No.31RH	0.053	-	50	Transparent, White, Yellow, Red, Green, Blue, Black	10
	No.31D	0.053, 0.08	-	50	Transparent	10
	No.31E	0.053	-	50	White, Yellow, Red, Green, Blue, Black	10
	No.315	0.06, 0.085	-	50	Transparent, Yellow	10
	No.336	0.06, 0.08	-	33	Transparent, Blue	11
	No.337	0.10	-	33	Blue	11
Flame-Retardant Polyester Tape	No.3161FR1	0.054	-	50	Milky, White, Yellow, Red, Green, Blue, Black	11
	No.3161FR2	0.080	-	50	Milky	11
Composite Adhesive Tape	No.340	0.240	-	50	White, Blue	12
	No.341F	0.42	-	50, 200	White, Blue	12
	No.341A	0.25	-	100	White, Blue	12
	No.343B	0.42	-	30	White	12
Polyimide Adhesive Tape	No.360UL	0.06, 0.09	-	20	Light Amber Brown	12
	No.360A	0.053, 0.08	-	20	Light Amber Brown	12
Vent Filter Temish™ Punched Products	S-NTF8031	0.13	-	-	Membrane Material	13
	S-NTF810A	0.30	-	-	Membrane Material	13
	S-NTF1026-N07	0.10	-	-	Membrane Material	13
	S-NTF1033-N07	0.10	-	-	Membrane Material	13
	S-NTF1026-N01	0.35	-	-	Membrane Material	13
	S-NTF1033-N01	0.35	-	-	Membrane Material	13
	S-NTF2122A-S06	0.20	-	-	Membrane Material	13
	S-NTF2131A-S06	0.20	-	-	Membrane Material	13
	S-NTF2133A-S06	0.20	-	-	Membrane Material	13
	S-NTF2026A-N07	0.10	-	-	Membrane Material	13
	S-NTF8031	0.13	-	-	Membrane Material	13
S-NTF810A	0.30	-	-	Membrane Material	13	

PRODUCTS LIST

Product	Product No.	Air permeability [cm ³ /min]		Length (M)	Colour	Page
Vent Filter Temish™ Z Series	Z3-NTF210SE	130	※1	-	-	13
	Z-PLUG-S	130	※1	-	-	14
	ZH-PLUG-S	260	※1	-	-	14
	ZH2-PLUG-S	500	※1	-	-	14
Vent Filter Temish™ Z Series	C2-NTF1026-L01	50	※1	-	Black	14
	C2-NTF9208-L01	1500	※1	-	Grey	14
	C2-NTF130SL	13000	※1	-	Brown	14
	C2-NTF210SL	50	※1	-	Blue	14
	C2-NTF220SL	1500	※1	-	Green	14

Product	Product No.	Thickness (mm)	Width (mm)	Length (M)	Colour	Page
Insulation Paper	NTN-222(S)	180	-	-	-	15
	NTN-252(S)	250	-	-	-	15
	NTN-272(S)	320	-	-	-	15
	NTN-2102(S)	380	-	-	-	15
	NTN-5105A	480	-	-	-	15
Cloth Tape	No.756	0.23	25, 38, 50, 60, 75, 100	25, 50	White, Red, Blue, Yellow, Green, Black, Silver, Pink, Light Blue, Beige	16
Sealing & Joining Tape	No.204E	0.13	48	30	Silver, Black White	16
PVC Electrical Tape	No.203E	0.18	18	20	Orange, Black, Grey, Purple	17
	No.21	0.20	19	20	Clear	17
Double Coated Adhesive Tape	No.5233N	0.50	25, 30, 40, 50	15	-	18
Washi Masking Tape	No.7288	0.09	24, 36, 48	50	Yellow	18
Aluminium Foil Tape	No.4650	0.11	50, 60, 75, 100	50	Foil	19
	P-11	0.127	1/2", 1", 2"	60YD	Foil	19
Anti Skid Tape	AS-117	1.0	50, 100, 400	5	Black	20
	AS-127	1.0	50, 100, 150, 400	5	Green, Black, Yellow & White	20
Putty Tape	No.12FB A	1	30, 40, 60, 80	10, 20	-	21
	No.12FV B	2.3	25, 50	10	-	21
	No.12FB C	3.0	38	1.5	-	21
Thick-type PVC Heavy Duty Tape	No.51A	0.40	25, 38, 50	10, 30.5	Black	22
Butyl Rubber Adhesive Polyethylene Tape	No.13	0.5	19	10	-	22
High Performance PVC Vinyl Tape	No.228CN	0.19	19	20	Black, Blue, Red, White	23
Self Fusing Tape	No.66	0.3	19	10	Red Brown	23
Special Varnish Cloth Tape	VTT-Y	0.08, 0.10, 0.13, 0.18	13-110 13-1040	45	Yellow	24


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Nitto

Innovation for Customers

Nitto Denko Australia (Pty Ltd)
66 Indian Drive, Keysborough, Victoria, 3173

 03 9213 1700

 info.nittoaus@nitto.com

 <https://www.nitto.com/au/en/>

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