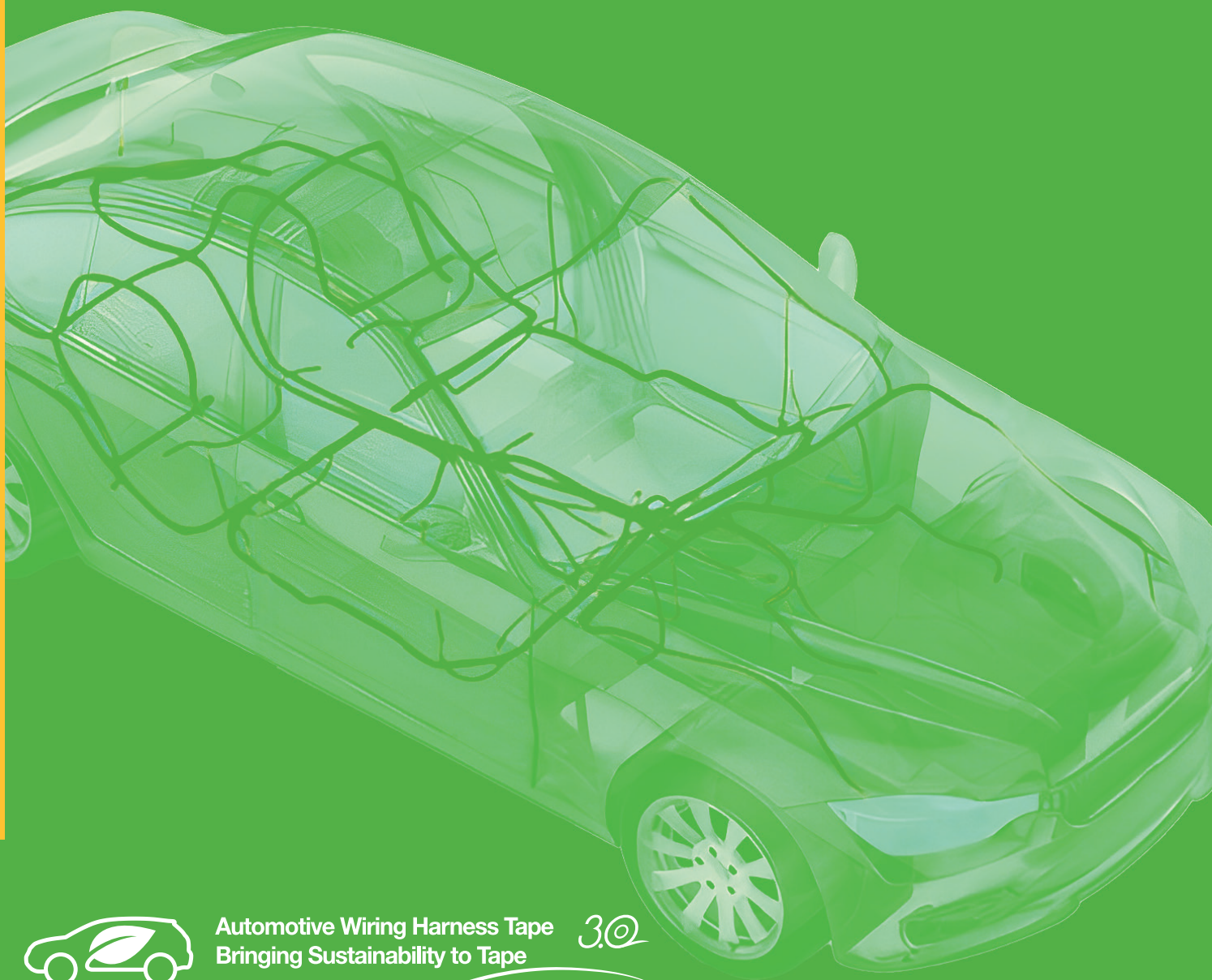


Brite-Line®
Automotive Wiring Harness Tape

Catalog



Automotive Wiring Harness Tape
Bringing Sustainability to Tape

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/// BRITE-LINE® COMPANY PROFILE

As a world leading automotive wire harness protection solutions provider, Brite-Line has been specialized in research and development and production of automotive wire harness tape relying on its vertical production capability from raw material to finished products. The automotive wire harness tape well combines high-quality substrate and high-performance pressure sensitive adhesive. With stable performance and good reliability, it provides multiple protections for wire harness, including firm wrapping, wear resistance and noise reduction and ensures safe and high-efficient operation of the wire harness. Our products include PVC tape, fleet tape and polyester fabric tape, etc. which adopt UV/EB green curing process. The 3.0 innovative process of the new generation boasts quick curing and large reduction of solvent and VOCs emission compared with the traditional process, and complies with the international environmental protection standards.

Brite-Line has a series of core products, including automotive wire harness tapes, automotive water-proofing mastics, electrical rubber tapes and preformed lane marking tapes, with business covering more than 20 countries and regions around the world, providing high-quality products and services to automotive, electrical and transportation fields, etc.

Brite-Line has engaged itself in tape field with a global view and spares no effort to create value for its customers. The company has established an international and professional team composed of many global research elites and industrial experts. Brite-Line Technology has obtained 64 patents in 12 countries and also been recognized as high-tech enterprise relying on its comprehensive research and development system and strict quality control. Brite-Line has also passed IATF16949, ISO9001 and ISO14001 systems certification to ensure its products in line with the international standards.

/// QUALIFICATION APPROVAL



/// QUALIFICATION APPROVAL



/// ADVANTAGES OF VERSION 3.0 GREEN PROCESS



Innovation

State of the art curing technology makes us the leader of innovative adhesive products



Reliable

Our vertically integrated process ensures consistent and reliable products with high performance.



High Efficiency

Our superior curing speed meets the large-scale automotive production requirements



Environmental Friendly

The curable hot melt uses no solvents during production process, which largely reduce VOCs emissions, realizing clean environment and truly green manufacturing



Economical

The curing technology is of low cost, low energy consumption, high production efficiency and small floor area, and is more economical



Widespread Application

The curable hot melt adhesive is applicable for coating on different substrates, such as PVC, cloth substrate, nonwovens, PE and paper substrate.

Meet use
requirements of
high performance
automotive
harness tape



/// Low VOC PVC 3.0 Harness Tape

Product Features:

Low VOC PVC 3.0 Harness Tape is made from high quality PVC film with high performance pressure sensitive adhesive. It is suitable for continuous use at -25°C -125°C . The advanced green curing process of the 3rd generation is applied which boasts high efficiency, environmental protection and good coating. The tape is characterized by good insulation, flame-resistance and softness, not influenced by most chemical substances and humidity. It complies with RoHS and REACH requirements.



Recommended Use:

Use as permanent wrap and binding on automotive wire harnesses. The recommended application method is with a 50% overlap and do not apply tension at the last layer.

Product Color:

Black and other colors

Standard Sizes:

Width: 19mm, 25mm, 32mm

Length: 20m, 33m

Core ID: 38mm

Note: please contact with Brite-Line for other customized sizes

Shelf Life:

The shelf life of the product is 24 months when stored at room temperature, max 65% relative humidity and out of direct sunlight in original packaging.

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (μm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
PVC tape	BL-51070	-25~85	70	PVC film	>12	>100	≥ 1.0	≥ 1.0	A	A	B	Y	Y
	BL-51085	-25~85	85	PVC film	>15	>100	≥ 1.0	≥ 1.0	A	A	B	Y	Y
	BL-51110	-25~85	100	PVC film	>16	>170	≥ 1.2	≥ 1.4	A	A	B	Y	Y
	BL-51111	-25~85	110	PVC film	>16	>180	≥ 1.2	≥ 1.4	A	A	B	Y	Y
	BL-51112	-25~85	120	PVC film	>16	>180	≥ 1.2	≥ 1.4	A	A	B	Y	Y
	BL-51113	-25~85	130	PVC film	>18	>200	≥ 1.2	≥ 1.4	A	A	B	Y	Y
	BL-51115	-25~85	150	PVC film	>20	>200	≥ 1.2	≥ 1.4	A	A	B	Y	Y
	BL-5210	-25~105	100	PVC film	>16	>200	≥ 1.5	≥ 1.5	A	A	B	Y	Y
	BL-5211	-25~105	110	PVC film	>16	>180	≥ 1.5	≥ 1.5	A	A	B	Y	Y
	BL-5212	-25~105	120	PVC film	>16	>200	≥ 1.0	≥ 1.0	A	A	B	Y	Y
	BL-5213	-25~105	130	PVC film	20	220	≥ 1.5	≥ 1.5	A	A	B	Y	Y
	BL-5219	-25~105	190	PVC film	32	220	≥ 1.7	≥ 1.7	A	A	B	Y	Y
	BL-5222	-25~105	220	PVC film	48	260	≥ 1.8	≥ 1.7	B	A	B	Y	Y
	BL-5310	-25~125	100	PVC film	>16	>180	≥ 1.4	≥ 1.4	A	A	B	Y	Y
	BL-5311	-25~125	110	PVC film	18	180	≥ 1.4	≥ 1.2	A	A	B	Y	Y
	BL-5312	-25~125	120	PVC film	>18	>180	≥ 1.4	≥ 1.4	A	A	B	Y	Y
	BL-5313	-25~125	130	PVC film	>20	>160	≥ 1.5	≥ 1.5	A	A	B	Y	Y
	BL-5315	-25~125	150	PVC film	18	200	≥ 1.5	≥ 1.5	A	A	B	Y	Y
PVC dry tape	BL-5110D	-25~85	100	PVC film	>16	>200	---	---	A	A	B	Y	Y
	BL-5210D	-25~105	100	PVC film	>16	>200	---	---	A	A	B	Y	Y
	BL-5310D	-25~125	100	PVC film	>16	>200	---	---	A	A	B	Y	Y

* Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

/// PVC Protective Sheet/Sleeve

Product Features:

PVC Protective Sheet/Sleeve is made from high quality PVC film combined with high-performance double-sided tape. It is suitable for continuous use from -25°C to +105°C. This product offers good adhesion, flame resistance, aging resistance, and wear resistance. Preferred instead of tubing due to improved productivity, flexibility, and cost.



Recommended Use:

Use as abrasion protection in place of tubing or moderate abrasion resistant tape on all types of automotive wire harnesses. The recommended application method is lengthwise on the harness and then secured with the double-sided tape.

Product Color:

Black

Standard Sizes:

Width: 50mm, 70mm, 90mm, 100mm, 120mm, 130mm, 150mm, 170mm, 200mm

Length: 40M

Core ID: 76mm

Note: Please contact Brite-Line for other sizes (widths and lengths)

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (µm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
PVC Protective Sheet/Sleeve	BL-5230P	-25~105	300	PVC sheet	>70	>250	---	---	---	---	B	Y	Y
	BL-5240P	-25~105	400	PVC sheet	>85	>250	---	---	---	---	B	Y	Y

* Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

Shelf Life:

The shelf life of the product is 12 months when stored at room temperature, max 65% relative humidity and out of direct sunlight, in original packaging.

Woven Cloth 3.0 Tape

Product Features:

Woven Cloth 3.0 Tape is made from high quality polyester or nylon cloth substrate with high performance pressure sensitive adhesive. These products are suitable for continuous use from -40°C to as high as +150°C, depending on the product. These products offer good temperature resistance, media resistance, and flame resistance. Some products offer hand tearability, while others have very high abrasion resistance and noise reduction.



Recommended Use:

Use as permanent wrap and mainly abrasion protection on all types of automotive wire harnesses, interior and exterior. The recommended application method is with 2-3 wraps of tape on itself, then solid tape with a 50% overlap, then finish with 2-3 wraps of tape on itself, cut the tape (if required) close to the harness and use thumb pressure on the end to prevent flagging.

Product Color:

Black and orange

Standard Sizes:

Width: 9mm, 19mm, 25mm, 32mm

Length: 5M, 7.5M, 15M, 20M, 25M

Core ID: 38mm

Note: Please contact Brite-Line for other sizes (widths and lengths)

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (µm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
Cloth tape	BL-6214	-40~105	140	Polyester cloth	>40	>10	≥ 2.0	≥ 2.0	A	A	B	Y	Y
	BL-6225	-40~105	250	Polyester cloth	>150	>20	≥ 2.0	≥ 2.0	D	A	B	Y	Y
	BL-6314	-40~125	140	Polyester cloth	>40	>10	>2.0	>2.0	A	A	B	Y	Y
	BL-6318	-40~125	180	Polyester cloth	>65	>10	>2.0	>2.0	B	A	B	Y	Y
	BL-6325	-40~125	250	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	D	A	B	Y	Y
	BL-6425	-40~150	250	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	D	A	B	Y	Y
	BL-6425T	-40~150	250	Polyester cloth	>65	>10	≥ 2.0	≥ 2.0	D	A	B	Y	Y
	BL-92100	-40~105	1000	PA velour	>160	>60	≥ 2.0	≥ 2.0	D	E	B	Y	Y
	BL-93100	-40~125	1000	PA velour	>160	>60	≥ 2.0	≥ 2.0	D	E	B	Y	Y
	BL-9335	-40~125	350	PA cloth	>300	>30	≥ 3.0	≥ 3.0	E	A	B	Y	Y

* Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

Shelf Life:

The shelf life of the product is 12 months when stored at room temperature, max 65% relative humidity and out of direct sunlight, in original packaging.

/// PET Cloth Protective Sleeve

Product Features:

PET Cloth Protective Sleeve is made from one or two layers of high-quality polyester cloth substrate with high performance pressure sensitive adhesive strips. These products are suitable for continuous use from -40°C to +150°C. This product offers good temperature resistance, media resistance, and flame resistance, as well as providing abrasion resistance and flexibility to the wiring harness.



Recommended Use:

Use as permanent wrap and mainly abrasion protection on all types of automotive wire harnesses, especially in the engine compartment. The recommended application method is lengthwise on the harness and then secured with the pressure sensitive adhesive strips.

Product Color:

Black

Standard Sizes:

Width: For SV-L2 = 35mm, 50mm, For SV-D3 = 67mm, 85mm, 100mm, 115mm, 130mm, 145mm, 160mm, 180mm, 195mm, For SV-D2 = 50mm, 95mm, 140mm, 190mm, 230mm, For SV-S2 = 68mm, 78mm, 100mm, 130mm, 155mm, 195mm

Length: For SV-L2 = 10M, For SV-D3, SV-D2, SV-S2 = 50M

Core ID: For SV-L2 = 38mm, For SV-D3, SV-D2, SV-S2 = 76mm

Note: Please contact Brite-Line for other sizes (widths and lengths)

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (µm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
Cloth protective sleeve	BL-6425-SV-L2	-40~150	500	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	D	B	B	Y	Y
	BL-6425-SV-D3	-40~150	500	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	D	B	B	Y	Y
	BL-6425-SV-D2	-40~150	430	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	D	B	B	Y	Y
	BL-6425-SV-S2	-40~150	250	Polyester cloth	>180	>30	≥ 2.0	≥ 2.0	B	A	B	Y	Y

Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

Shelf Life:

The shelf life of the product is 12 months when stored at room temperature, max 65% relative humidity and out of direct sunlight, in original packaging.

Nonwoven Fleece 3.0 Tape

Product Features:

Nonwoven Fleece 3.0 Tape is made from high-quality polyester fleece substrate with high performance pressure sensitive adhesive. These products are suitable for continuous use from -40°C to as high as +105°C, depending on the product. These products offer good temperature resistance, media resistance, and flame resistance, as well as excellent noise reduction. These products have a soft surface, are flexible, and are easy to handle.



Recommended Use:

Use as permanent wrap and mainly noise reduction on all types of automotive wire harnesses, especially in the passenger/interior compartment. The recommended application method is with 2-3 wraps of tape on itself, then solid tape with a 50% overlap, then finish with 2-3 wraps of tape on itself, tear the tape close to the harness and use thumb pressure on the end to prevent flagging.

Product Color:

Black

Standard Sizes:

Width: 9mm, 19mm, 25mm, 32mm

Length: 7.5M, 10M, 15M, 18M, 20M, 25M

Core ID: 38mm

Note: Please contact Brite-Line for other sizes (widths and lengths)

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (µm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
Polyester fleece tape	BL-7222	-40~105	220	Polyester nonwoven	>30	>20	>2.5	>2.5	A	C	B	Y	Y
	BL-7228	-40~105	280	Polyester nonwoven	>32	>15	≥ 2.5	≥ 2.5	B	C	B	Y	Y
	BL-7270	-40~105	700	Polyester nonwoven	>20	>10	≥ 2.5	≥ 2.5	D	D	B	Y	Y

Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

Shelf Life:

The shelf life of the product is 12 months when stored at room temperature, max 65% relative humidity and out of direct sunlight, in original packaging.

/// PET Nonwoven Fleece Protective Sleeve

Product Features:

PET Nonwoven Fleece Protective Sleeve is made from one or two layers of high-quality polyester fleece substrate with high performance pressure sensitive adhesive strips. These products are suitable for continuous use from -40°C to +105°C. This product offers good temperature resistance, media resistance, and flame resistance, as well as providing noise reduction and flexibility to the wiring harness.



Recommended Use:

Use as permanent wrap and mainly noise reduction on all types of automotive wire harnesses, especially in the passenger/interior compartment. The recommended application method is lengthwise on the harness and then secured with the pressure sensitive adhesive strips.

Product Color:

Black

Standard Sizes:

Width: For SV-L2 = 35mm, 50mm, For SV-D3 = 67mm, 85mm, 100mm, 115mm, 130mm, 145mm, 160mm, 180mm, 195mm, For SV-S2 = 68mm, 78mm, 100mm, 130mm, 155mm, 195mm, For SV-G?

Length: For SV-L2 = 10M, For SV-D3, SV-S2, SV-G = 50M

Core ID: For SV-L2 = 38mm, For SV-D3, SV-S2, SV-G = 76mm

Note: Please contact Brite-Line for other sizes (widths and lengths)

Specifications:

Type	Product	Temperature Rating (°C)	Total Thickness (µm)	Backing	Tensile Strength (N/cm)	Elongation (%)	Adhesion Strength To Steel (N/cm)	Adhesion Strength To Backing (N/cm)	Abrasion Resistance 5mm mandrel (Per ISO 19642-2)	Noise Reduction (Per SAE J2192)	Flammability (Per ISO 3795)	RoHS Requirements	REACH Requirements
Fleece protective sleeve	BL-7228-SV-G	-40~105	280	Polyester nonwoven	>25	>12	>2.5	>2.5	B	C	B	Y	Y
	BL-7228-SV-X	-40~105	280	Polyester nonwoven	>25	>12	>2.5	>2.5	B	C	B	Y	Y
	BL-7228-SV-L/R	-40~105	560	Polyester nonwoven	>25	>12	>2.5	>2.5	C	D	B	Y	Y
	BL-7228-SV-S	-40~105	560	Polyester nonwoven	>25	>12	>2.5	>2.5	C	D	B	Y	Y

Note: data in table represent typical value and are not to be used for specification purposes. For detailed information, please contact with Brite-Line.

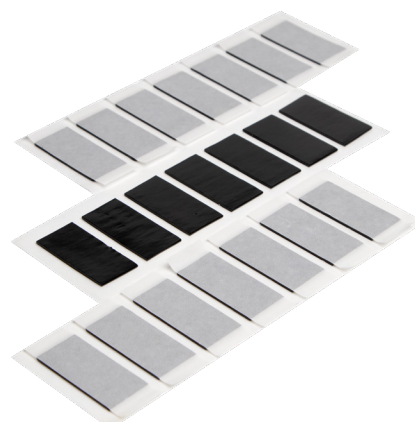
Shelf Life:

The shelf life of the product is 12 months when stored at room temperature, max 65% relative humidity and out of direct sunlight, in original packaging.

/// Automotive Water Proof Rubber Mastic

Product Features:

Automotive Water Proof Rubber Mastic is a kind of electrical insulation and waterproof sealing material with good self-fusing properties and flexibility. This product is suitable for continuous use from -30°C to +85°C (gray color) or from -40°C to +105°C (black color). This product offers good temperature resistance, chemical resistance, compatibility with all cable types, as well as excellent tackiness and sealing performance.



Recommended Use:

Used primarily for blocking water intrusion in pass-through grommet applications or complex splice applications by sealing around each wire lead and creating a barrier against fluid and moisture ingress. The recommended application method is to separate all wires and make sure each wire is pressed into the rubber mastic strips. The wires are then formed into a bundle and placed under a grommet or taped. For complex splice applications, the bundle of wires with mastic is then covered with a heat shrink tube for a permanent seal.

Product Color:

Gray and black

Standard Sizes:

Gray: 20g/pc, 27g/pc, 40g/pc, 19mmx40mmx2mm thick, 19mmx80mmx2mm thick, 30mmx80mmx2mm thick, 60mmx80mmx2mm thick

Black: 19mmx70mmx1.5mm thick, 25mmx50mmx1.5mm thick, 32mmx45mmx1.5mm thick

Note: Please contact Brite-Line for other sizes

Application Scope

Water proofing sealing of the automotive wire harness

Application Methods

Directly tear off the separation paper and wrap the water-proofing mastic around water-sensitive components. It can also be applied between layers with PVC electrical tape wrapped outside for mechanical protection.

Specifications:

Type	Product	Color	Temperature Rating (°C)	Backing	Density (g/cm3)	Solid content (%)	Water absorption (%)	Cone penetration (1/10mm)	RoHS environmental protection	REACH environmental protection
Water Proofing Mastic	P801	Grey	-30~85	Butyl Rubber	≥ 1.0	≥ 98	/	65±10	Y	Y
	P802	Black	-40~105	Butyl Rubber	≥ 1.0	≥ 98	/	60±10	Y	Y
	P803	Black	-40~105	Butyl Rubber	≥ 1.0	≥ 98	/	55±10	Y	Y

Shelf Life:

The shelf life of the product is 6 months when stored in a cool place. Stacking of product is not allowed.

Storage Condition:

Store in a cool place and do not stack



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