

## Semi-conductive Nylon Tape

Application: Be used for shielding and binding on the outside of conductor and insulation core for large size middle voltage cable and super high voltage power cable.

性能指标/ Properties	BDNL10	BDNL12	BDNL14	BDNL16
厚度 (mm) Thickness	0.10±0.02	0.12±0.02	0.14±0.02	0.16±0.02
克重(g/m <sup>2</sup> ) Weight	90±10	100±10	110±10	135±10
抗张强度 (N/cm) Tensile Strength	≥120	≥140	≥140	≥160
伸长率 (%) Elongation	≥25	≥25	≥25	≥25
表面电阻 (Ω) Surface Resistance	≤800	≤800	≤800	≤800
体积电阻 (Ω.cm) Volume Resistance	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>
短期稳定性 (°C) Short Term Stability	230	230	230	230
长期稳定性 (°C) Long Term Stability	145	145	145	145

- Note: Special semi-conductive properties can be produced according to the required technical specifications.
- Features: High quality surface resistance and volume resistance performance.
- Best usage time: within 6 months
- Storage site requirements: cool, dry, and well ventilated.



## Semi-conductive Tetoron Tape

Application: Be used in the outside of cable conductor and insulation core to shield and bind. With super high strength, it is particularly suitable for shielding binding and isolating high-voltage cable and ultra-high-voltage cable.

性能指标/ Properties	BDTL18	BDTL20	BDTL25
厚度 (mm) Thickness	0.18±0.03	0.2±0.03	0.25±0.03
克重(g/m <sup>2</sup> ) Weight	150±20	170±20	180±20
抗张强度 (N/cm) Tensile Strength	≥220	≥220	≥220
伸长率 (%) Elongation	≥25	≥25	≥25
表面电阻 (Ω) Surface Resistance	≤800	≤800	≤800
体积电阻 (Ω.cm) Volume Resistance	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>
短期稳定性 (°C) Short Term Stability	230	230	230
长期稳定性 (°C) Long Term Stability	145	145	145

**特点：抗张强度大于导电尼龙带；具有优质的表面电阻、体积电阻性能。**

- Best usage time: within 6 months
- Storage site requirements: cool, dry, and well ventilated.

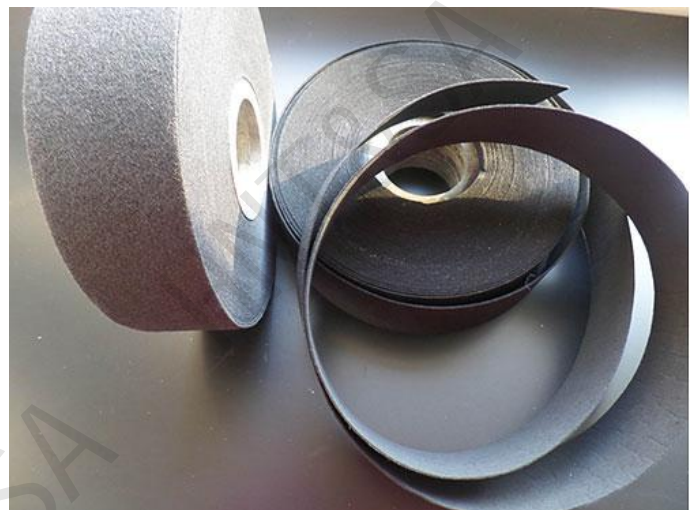


## Semi-conductive Cushion Water Blocking Tape

Application: Be used for cushion and water blocking inside metal jacket of super-high power cable. Mainly used in the aluminum sheath rolling process of high-voltage cables.

性能指标/ Properties	HTHZD15	HTHZD20	HTHZD30
厚度 (mm) Thickness	1.5±0.03	2.0±0.03	3.0±0.03
克重(g/m <sup>2</sup> ) Weight	260±40	280±40	320±40
抗张强度 (N/cm) Tensile Strength	≥40	≥40	≥40
伸长率 (%) Elongation	≥12	≥12	≥12
表面电阻 (Ω) Surface Resistance	≤500	≤500	≤500
体积电阻 (Ω.cm) Volume Resistance	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>
膨胀速度 (mm/min) Swelling Speed	≥8	≥8	≥10
膨胀高度 (mm/min) Swelling Height	≥10	≥12	≥14
短期稳定性 (°C) Short Term Stability	230	230	230
长期稳定性 (°C) Long Term Stability	90	90	90
含水量 (%) Moisture Content	≤7	≤7	≤7

- Note: Low resistance and high expansion performance can be produced according to customer requirements
- Features: Excellent water absorption and expansion speed and height;
- Best usage time: within 6 months
- Storage site requirements: cool, dry, and well ventilated.

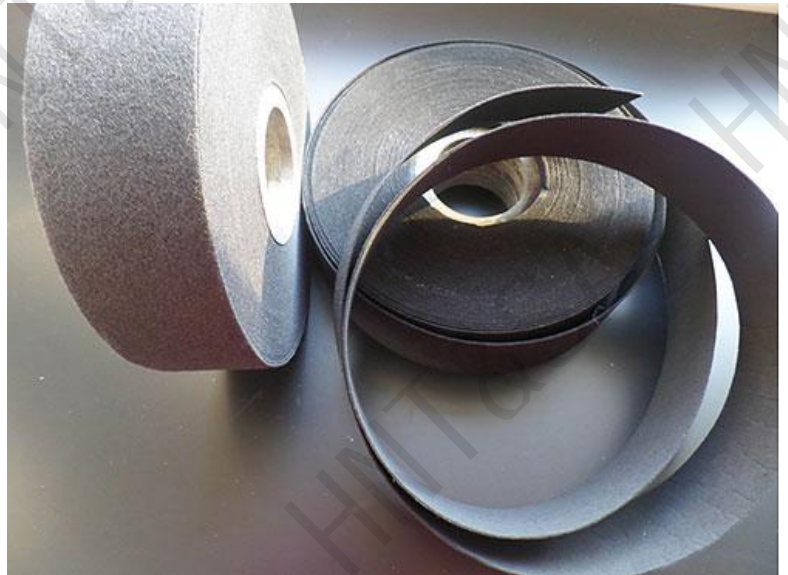


## Semi-conductive Cushion Tape

Application: Be used for cushion inside metal jacket of super-high voltage power cable. Used in the tightening process of smooth aluminum sheath.

性能指标 Properties	BHD15	BHD20
厚度 (mm) Thickness	1.5±0.03	2.0±0.03
克重(g/m <sup>2</sup> ) Weight	240±40	260±40
抗张强度 (N/cm) Tensile Strength	≥40	≥40
伸长率 (%) Elongation	≥12	≥12
表面电阻 (Ω) Surface Resistance	≤500	≤500
体积电阻 (Ω.cm) Volume Resistance	≤2X10 <sup>4</sup>	≤2X10 <sup>4</sup>
短期稳定性 (°C) Short Term Stability	230	230
长期稳定性 (°C) Long Term Stability	90	90

- Features: Excellent surface resistance, volume resistance;
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



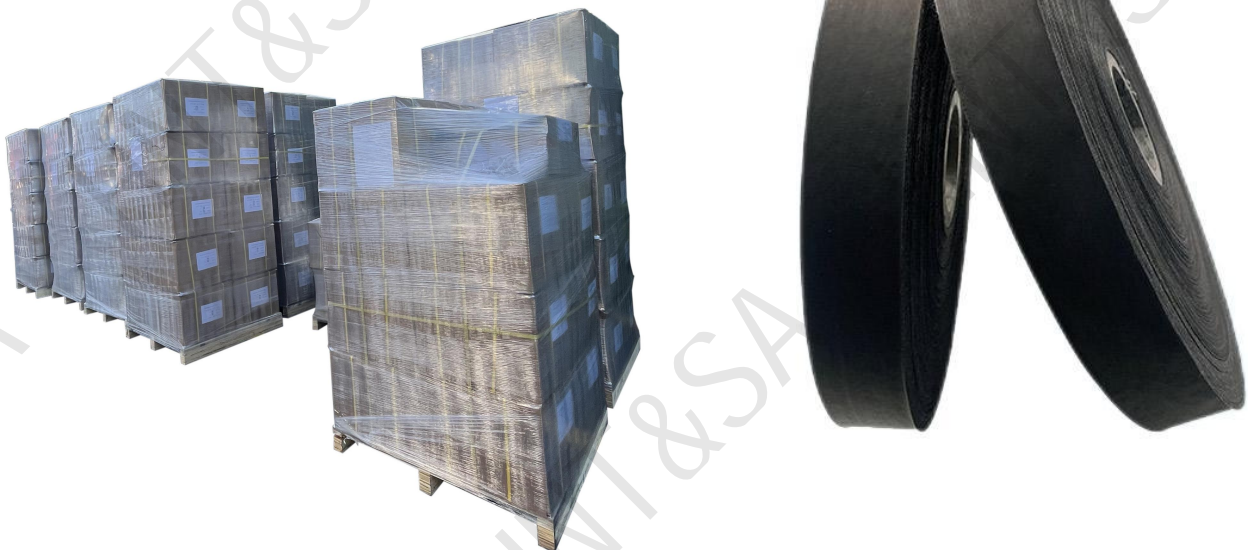
## Semi-conductive Water-Blocking Binding Tape

Application: Be used for shielding, binding and water-blocking on the outside of conductor and insulation core for power cable.

Suitable for ultra-high voltage cables or high demand applications.

性能指标/ Properties	HTHZD15	HTHZD20	HTHZD30
厚度 (mm) Thickness	0.15±0.03	0.2±0.03	0.25±0.03
克重(g/m <sup>2</sup> ) Weight	130±20	150±20	220±20
抗张强度 (N/cm) Tensile Strength	≥160	≥160	≥200
伸长率 (%) Elongation	≥20	≥20	≥20
表面电阻 (Ω) Surface Resistance	<1000	<1000	<1000
体积电阻 (Ω.cm) Volume Resistance	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>
膨胀高度 (mm/5min) Swelling Height	≥6	≥6	≥8
短期稳定性 (°C) Short Term Stability	230	230	230
长期稳定性 (°C) Long Term Stability	≤145	≤145	≤145

- Features: With ultra-thin thickness; Has excellent surface resistance, volume resistance performance, good water absorption and expansion speed, and expansion height;
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Semi-conductive Water Blocking Tape

Application : Be used for water-blocking between components of power cable. It is no-corrosive. For Single covering layer, it has better water blocking performance.

性能指标/ Properties	双面 Double-layer			单面 Single-layer		
	HTZSD30	HTZSD40	HTZSD50	HTDZSD30	HTDZSD40	HTDZSD50
厚度 (mm) Thickness	0.30±0.03	0.40±0.03	0.50±0.03	0.30±0.03	0.40±0.03	0.50±0.03
克重(g/m <sup>2</sup> ) Weight	130±10	150±10	170±10	120±10	140±10	160±10
抗张强度 (N/cm) Tensile Strength	≥30	≥30	≥40	≥30	≥30	≥40
伸长率 (%) Elongation	≥12	≥12	≥12	≥12	≥12	≥12
表面电阻 (Ω) Surface Resistance	≤1000	≤1000	≤1000	≤1000	≤1000	≤1000
体积电阻 (Ω.cm) Volume Resistance	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>
膨胀速度 (mm/min) Swelling Speed	≥8	≥8	≥10	≥6	≥8	≥10
膨胀高度 (mm/min) Swelling Height	≥10	≥12	≥14	≥8	≥10	≥14
短期稳定性 (°C) Short Term Stability	230	230	230	230	230	230
长期稳定性 (°C) Long Term Stability	90	90	90	90	90	90
含水率 (%) Moisture Content	≤9	≤9	≤9	≤9	≤9	≤9

- Features: Moderate thickness; Has excellent surface resistance, volume resistance performance, good water absorption and expansion speed, and expansion height; Highly cost-effective products
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Semi-Conductive Water Water Blocking Tape For Submarine Cable

Application: It is used for wrapping cable core and insulation surface in submarine cable manufacturing. It has good expansion function when encountering sea water and can quickly absorb sea water.

性能指标/ Properties	HBZD30	HBZD50	HBZD80	HBZD15	HBZD20
厚度 (mm) Thickness	0.30±0.03	0.50±0.03	0.80±0.1	1.50±0.3	2.0±0.4
克重(g/m <sup>2</sup> ) Weight	150±10	170±20	220±20	310±40	330±40
抗张强度 (N/cm) Tensile Strength	≥40	≥40	≥50	≥50	≥60
表面电阻 (Ω) Surface Resistance	≤1000	≤1000	≤1000	≤1000	≤1000
体积电阻 (Ω.cm) Volume Resistance	<1X10 <sup>5</sup>	<1X10 <sup>5</sup>	<1X10 <sup>5</sup>	<1X10 <sup>5</sup>	<1X10 <sup>5</sup>
膨胀速度 (mm/min) Swelling Speed Nacl 浓度 3.3%	≥2.5	≥2.5	≥2.5	≥2.5	≥2.5
膨胀高度 (mm/3min) Swelling Height Nacl 浓度 3.3%	≥3	≥3	≥3	≥3	≥3

- Note: We can produce submarine cable waterstops with special performance that customers need, providing parameters such as tensile strength, surface resistance, volume resistance, expansion speed, and expansion height.
- Features: With the advantage of semi conductive resistance water hose, the product is more suitable for high salt alkali water environments.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Semi-conductive Non-woven Tape

Application: Be used for binding and isolating for conductor and insulation core or playing a role of cushioning and shielding effect under metal layer And dispersed electric field of cable.

性能指标/ Properties	HTDWD20 I	HTDWD20 II	HTDWD20 (加强型)
厚度 (mm) Thickness	0.20±0.03	0.20±0.03	0.25±0.03
克重(g/m <sup>2</sup> ) Weight	60±10	100±10	140±10
抗张强度 (N/cm) Tensile Strength	≥30	≥55	≥60
伸长率 (%) Elongation	≥12	≥16	≥16
表面电阻 (Ω) Surface Resistance	≤1000	≤1000	≤1000
体积电阻 (Ω.cm) Volume Resistance	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>
短期稳定性 (°C) Short Term Stability	230	230	230
长期稳定性 (°C) Long Term Stability	90	90	90

- Note: Special thickness can be customized, the thinnest thickness: 0.05-0.1mm, the customization needs to provide tensile strength, elongation, surface resistance, volume resistance and other parameters.
- Features: excellent tensile strength and elongation; With high quality surface resistance, volume resistance performance.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.





## Semi-conductive Cotton Tape

Application: Be used for binding and isolating for conductor and insulation core or playing a role of cushioning, shielding and flame retardant under metal layer.

性能指标 Properties	单面 Single-layer		双面 Double-layer		
厚度 (mm) Thickness	0.25±0.03	0.30±0.03	0.25±0.03	0.30±0.03	0.35±0.03
克重 (g/m <sup>2</sup> ) Weight	220±20	240±20	220±20	240±20	260±20
抗张强度 (N/cm) Tensile Strength	≥100	≥100	≥100	≥100	≥100
伸长率 (%) Elongation	≥12	≥12	≥12	≥12	≥12
表面电阻 (Ω) Surface Resistance	≤400	≤400	≤400	≤400	≤400
体积电阻 (Ω·cm) Volume Resistance	/	/	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>	≤5X10 <sup>4</sup>

- Features: Excellent tensile strength and elongation; Having certain surface resistance and volume resistance performance; It has excellent performance and is suitable for application in medium voltage rubber cables.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Flame Retardant Semi-conductive Cotton Tape

Features: Excellent tensile strength and elongation; Having certain surface resistance and volume resistance performance; The strip has flame retardant function. It has excellent performance and is suitable for application in medium voltage rubber cables.

性能指标 Properties	单面 Single-layer			双面 Double-layer		
厚度 Thickness (mm)	0.20±0.03	0.25±0.03	0.30±0.03	0.25±0.02	0.30±0.03	0.35±0.03
克重 Weight (g/m <sup>2</sup> )	220±20	240±20	260±30	240±20	260±30	280±30
抗张强度 Tensile Strength (N/cm)	≥100	≥100	≥100	≥100	≥100	≥100
伸长率 Elongation (%)	≥12	≥12	≥12	≥12	≥12	≥12
表面电阻 Surface Resistance (Ω)	≤600	≤600	≤600	≤600	≤600	≤600
体积电阻 Volume Resistance (Ω.cm)	/	/	/	≤1X10 <sup>5</sup>	≤1X10 <sup>5</sup>	≤1X10 <sup>5</sup>
氧指数 Oxygen Index	≥35	≥35	≥35	≥35	≥35	≥35

- Semi-conductive Cotton Tape, Flame Retardant Semi-conductive Cotton Tape are suitable for medium voltage rubber cable, which are better performance.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Water Blocking Tape

Application: Be used for cable conductor surface and outer layer of insulator, playing a role of insulation and water-blocking.

性能指标 Properties	单面阻水带 Single-side water blocking tape					双面阻水带 Double-side water blocking tape					
	HTDZS15	HTDZS20	HTDZS25	HTDZS30	HTDZS35	HTSZD20	HTSZD25	HTSZD30	HTSZD40	HTSZD50	HTSZD80
厚度 (mm) Thickness	0.15 ±0.03	0.20 ±0.03	0.25 ±0.03	0.30 ±0.03	0.35 ±0.03	0.20 ±0.03	0.25 ±0.03	0.30 ±0.03	0.40 ±0.03	0.50 ±0.03	0.80 ±0.03
克重(g/m <sup>2</sup> ) Weight	65±5	75±5	85±5	100±10	110±10	80±10	90±10	100±10	120±10	150±10	220±10
抗张强度 (N/cm) Tensile Strength	≥20	≥25	≥30	≥30	≥30	≥25	≥30	≥30	≥35	>40	>50
伸长率 (%) Elongation	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12
含水率 (%) Moisture Content	≤9	≤9	≤9	≤9	≤9	≤9	≤9	≤9	≤9	≤8	≤8
膨胀速度 (mm/min) Swelling Speed	≥6	≥6	≥8	≥10	≥10	≥6	≥8	≥10	≥12	≥10	≥12
膨胀高度 (mm/min) Swelling Height	≥8	≥8	≥10	≥12	12	≥8	≥10	≥12	≥14	≥12	≥14
膨胀速度 (mm/min) Swelling Speed Nacl 浓度 3.3%	-	-	-	-	-	-	-	-	-	>2	>3
膨胀高度 (mm/3min) Swelling Height Nacl 浓度 3.3%	-	-	-	-	-	-	-	-	-	>3	>4
短期稳定性 (°C) Short Term Stability	100	100	100	100	100	100	100	100	100	100	100
长期稳定性 (°C) Long Term Stability	230	230	230	230	230	230	230	230	230	230	230

- Note: The thickness 0.15~0.25mm is suitable for communication cable. The thickness above 0.3mm is suitable for power cable. We can produce special performance of water blocking tape of submarine cable according to customer requirements.
- Features: excellent elongation; The product has low water content and excellent expansion speed and height;
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Film Laminated Water Blocking Tape

Application: It is good binding for power cable conductor and insulator surface, used to outer layer of ointment core for optical cable and communication cable, with PET layer inside. It prevents ointment penetration and also has good water-blocking effect.

性能指标/ Properties	型号 Type		
	FZSD25	FZSD30	FZSD35
厚度 (mm) Thickness	0.25±0.03	0.30±0.03	0.35±0.03
克重(g/m <sup>2</sup> ) Weight	130±10	150±10	170±10
抗张强度 (N/cm) Tensile Strength	≥35	≥40	≥40
伸长率 (%) Elongation	≥12	≥12	≥12
膨胀速度 (mm/min) Swelling Speed	≥6	≥8	≥10
膨胀高度 (mm/min) Swelling Height	≥8	≥10	≥12
短期稳定性 (°C) Short Term Stability	230	230	230
长期稳定性 (°C) Long Term Stability	90	90	90
含水量 (%) Moisture Content	≤7	≤7	≤7

- Note: Products requiring higher tensile strength can be customized, tensile strength needs to be proposed by customers.
- Features: Perfect elongation; The product has low water content, excellent expansion speed and height, and also has anti permeability function, which can be used in situations where internal liquid penetrates.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## PET Film Laminated Water blocking Tape

性能指标/ Properties	型号 Type	
	DMZSD25	DMZSD30
厚度 (mm) Thickness	0.25±0.03	0.30±0.03
克重(g/m <sup>2</sup> ) Weight	120±10	130±10
抗张强度 (N/cm) Tensile Strength	≥35	≥40
伸长率 (%) Elongation	≥12	≥12
膨胀速度 (mm/min) Swelling Speed	≥6	≥8
膨胀高度 (mm/min) Swelling Height	≥8	≥10
短期稳定性 (°C) Short Term Stability	230	230
长期稳定性 (°C) Long Term Stability	90	90
含水量 (%) Moisture Content	≤8	≤8

- Note: Products that require higher tensile strength can be customized, and the tensile strength needs to be proposed by the customer.
- Features: Perfect elongation; Compared to double-sided composite film water blocking tape, it has faster water blocking performance and anti permeability function, which can be used in situations where internal liquid penetration occurs.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Low Smoke Halogen Free Elastomer Flame Retardant Tape-A

The warp and weft yams are mixed with polyester filament yam and glass fiber yam which use special process to weave the base cloth, and then coated and dried. It has good longitudinal elongation, tight wrapping, no waste, less fuzz. softness and good flame retardant performance. The cable sheath is flat and has no "bamboo" shape after wrapping which will not damage the mechanical properties of the cable sheath. Moreover, it is tightly wrapped and will not form large outer diameter of the cable.

性能指标 Properties	型号 Type	
	SMTXR20	DMTXR20
Thickness (mm)	0.2±0.02	0.2±0.02
Weight(g/m <sup>2</sup> )	220±20	200±20
Tensile Strength (N/2.5cm)	≥200	≥200
Elongation (%)	≥15	≥15
Oxygen Index (%)	≥50	≥40
Temperature Index (°C)	≥450	≥450
Smoking Density (p)	≤120	≤120

Attention: Compared with the high flame-retardant glass fiber tape in the current market:

1. With the 15% unique elongation, wrapping tightly, no crazing, the ordinary product has the features of no elongation, wrapping loosely, and easily appearing large diameter.

2. Every coil can be 100% completely used up, and it can be folded than 20 times continuously (the ordinary product is ruptured when it is folded 2-3 times continuously, and the coil can't be used up completely, and there is 5-10% waste for each coil.).

3. Soft, without up-warp when wrapping, the facade is rounding after jacketing, no wavy and "bamboo" shape, and especially in winter when wrapping, there is no up-warp, and the over-sheath has no concave-convex.

Using of this tape can't be harm to the environment and employees, which fly less glass fiber in high speed wrapping.

### Notes:

1. The surface of low smoke halogen free elastomer flame retardant tape is easy to adhere to the cable core at high temperature (more than 180°C), and it cannot be directly wrapped on the flame-retardant control cable, flame-retardant mining cable and other cables that require the cable core surface to prevent adhesion.

2. All kinds of flame-retardant cables is required the cable core surface to prevent adhesion (flame-retardant control cables and other flame-retardant cables with digital codes, models, graphics, etc.), you can choose our single-side low smoke halogen free elastomer flame retardant tape of our company (coated with flame retardant in one side) which has the best anti-adhesive performance.

- Features: poor resistance to continuous high temperature, no burr on the side, folding resistance, less waste of products. Less environmental pollution
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Low Smoke Halogen Free Flame Retardant Tape-B

Glass fiber yarn of warp and weft are woven into base cloth, and then coated and dried. Disadvantages: loose wrapping many fuzz, easy to break when folded, large waste, cable surface is easy to appear "bamboo" shape after wrapping the sheath, which seriously reduces the mechanical properties of the cable outer sheath.

性能指标 Properties	指标 Target
	DYWLZR20
厚度 (mm) Thickness	0.2±0.02
克重(g/m <sup>2</sup> ) Weight	220±20
抗张强度 (N/2.5cm) Tensile Strength	≥500
氧指数 (%) Oxygen Index	≥70
温度指数 (°C) Temperature Index	≥450
烟密度 (p) Smoking Density	≤120

- Features: Good resistance to continuous high temperature performance. Poor mechanical properties.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## New Type Low Smoke Halogen Free Flame Retardant Tape

This tape is made of functional glass fiber cloth which coated with flame retardant, and then dried. The tape has the advantages thin thickness (0.15mm), light weight (170g/m<sup>2</sup>), oxygen index > 60%, cracking protection in transverse, preventing the cable bending to fracture in transverse fracture after wrapping, cable surface flat without "bamboo" phenomenon after wrapping sheath, it is an ideal product to replace the current market conventional glass fiber flame retardant tape (thickness 0.2-0.22mm).

性能指标 Properties	指标 Target			
	DYZRG12	DYZRG15	DYZRG17	DYZRG20
厚度 (mm) Thickness	0.12±0.02	0.15±0.02	0.17±0.02	0.20±0.02
克重(g/m <sup>2</sup> ) Weight	170±20	170±20	195±20	230±20
抗张强度 (N/2.5cm) Tensile Strength	≥600	≥600	≥600	≥600
氧指数 (%) Oxygen Index	≥60	≥65	≥70	≥75
温度指数 (°C) Temperature Index	≥450	≥450	≥450	≥450
烟密度 (ρ) Smoking Density	≤120	≤120	≤120	≤120

- Features: high temperature resistance; Side burr free, folding resistance, excellent mechanical properties; Less environmental pollution.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.





## Fiber Cloth Film Phlogopite Mica Tape

This product uses high quality gold mica paper as raw material, twisted and fiber cloth as reinforcement, and uses special silica gel as binder to produce high quality fire-resistant mica tape for cable with unique elongation and good peeling strength. It is used in refractory layer and temperature resistance layer of refractory turtle cable and high temperature resistant cable, and has strong insulation and fire resistance function. It is the preferred material for making fire-resistant cable cup, all wrapped tightly, not layered, wrapped fast speed, will not form a large external diameter, with good fire resistance, acid and alkali resistance, corona resistance, radiation resistance and other characteristics.

Disc-shaped inner diameter: 54mm、58mm、76mm、83mm、105mm

Sheet size: width 4-10mm, outer diameter < 300mm, width 14mm or more, outer diameter ≤600mm

Tower packaging: inner diameter 76mm, outer diameter 200-400mm

Special specifications can be produced according to customer requirements

性能指标 Properties	测试标准	技术指标
厚度 (mm) Thickness	IEC63071-2	0.1 ±0.015、0.12±0.015、0.14±0.02、0.16±0.02
克重(g/m <sup>2</sup> ) Weight	IEC63071-2	150-220
云母含量(g/m <sup>2</sup> ) Mica Content	IEC63071-2	90-160
薄膜含量(g/m <sup>2</sup> ) Film Content	IEC63071-2	28±2
纤维布含量(g/m <sup>2</sup> ) Fiber Cloth Content	IEC63071-2	20±2
胶含量(g/m <sup>2</sup> ) Glue Content	IEC63071-2	>8
抗张强度 (N/cm) Tensile Strength	IEC63071-2	>60 (加强型>100)
伸长率 (%) Elongation	IEC63071-2	>10
击穿电压 (KV) Breakdown Voltage	IEC63071-2	>1
耐火温度 (°C) Fire Resistant Temperature	IEC63071-2	>800

- Note: Our company's fiber cloth film mica tape has a unique elongation rate of over 10%; Advantages: No formation of large outer diameter, high peel strength, and fewer edge burrs.
- Features: High temperature resistance; Less burrs on the side. When the width is less than 15mm, the vibration resistance is poor and it is easy to peel off.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## New PET Non-woven Fabric

Application: Be made of 100% fire-resistant polyester fiber, it is compressing molded, after dipping, bonding, drying. It is thin, light, and fire-resistant with high longitudinal strength. It is mainly used in electrical cable for insulating, binding and wrapping.

性能指标/ Properties	JDMWF-30	JDMWF-40	JDMWF-70	
厚度 (mm) Thickness	0.05±0.02	0.08±0.02	0.10±0.02	0.20±0.03
克重(g/m <sup>2</sup> ) Weight	30±5	40±5	70±5	70±5
抗张强度 (N/cm) Tensile Strength	≥25	≥35	≥50	≥50
伸长率 (%) Elongation	≥12	≥12	≥12	≥12
短期稳定性 (°C) Short Term Stability	230	230	230	230
长期稳定性 (°C) Long Term Stability	90	90	90	90
含水率 (%) Moisture Content	≤5	≤5	≤5	≤5

- Features: THE weight is 40% of the ordinary non-woven fabric, the thickness is 45% of the ordinary non-woven fabric, it is a high-quality alternative product
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Strengthened Light Non-woven Fabric

Application: Application: Be glued by high-temperature resistant film (Material: Dacron and nylon mixture film) and high-temperature resistant Dacron fiber by F grade non-conductive glue. It has characteristics as: no deformation, no melting, no bonding, no crush in high temperature vulcanization process. The core of cable could slide freely when cable is bending. It also has the features of high tensile strength, high-temperature resistant, good insulation, good softness, no penetration in extrusion.

The product is specially suit for power cable, mine cable, rubber cable, marine cable and wind-energy cable. 80% of wind-energy cable companies all use our product.

性能指标/ Properties	型号 Type		
	GQ-QWF10	GQ-QWF15	GQ-QWF20
厚度 (mm) Thickness	0.10±0.02	0.15±0.02	0.20±0.03
克重(g/m <sup>2</sup> ) Weight	70±10	100±10	140±10
抗张强度 (N/cm) Tensile Strength	≥40	≥50	≥60
伸长率 (%) Elongation	≥60	≥80	≥80
长期稳定性 (°C) Long Term Stability	180	180	180
吸水速度(mm/min) Absorbent Speed	≤0.1	≤0.1	≤0.1
熔点 (°C) Melting Point	≥258	≥258	≥258
200°C 高温收缩 (%) High Temperature Heat Shrinkage at 200°C	≤5	≤5	≤5

Note: High insulation and high temperature resistance is required, we recommend to use the double-side reinforced non-woven fabric which is produced by our company.

Compared with traditional dotted non-woven fabric:

型号 Type	厚度 Thickness	克重(g/m <sup>2</sup> ) Weight	抗张强度 Tensile Strength	耐高温性能 High Temperature resistance	柔软度 Degree of softness	环保 Environmental protection	绝缘性 Insulation
加强轻型无纺布 Strengthened ight non-woven fabric	0.1mm 0.15mm	≤75 ≤110	有 50%以上的 伸长率, 电缆弯曲不断 Elongation≥50%, cable don't crack when bending	硫化下; 不粘层、不破碎、不融化、含 100%耐高温成份, 熔点>256°C Excellent, no stick layer, no crush, no melting, no transformation under vulcanization, contain 100% high-temperature resistant content, melting	优 Excellent	ROHS SGS 标准 ROHS SGS Standard	优 Excellent
普通点子无纺布 Tradition dotted non-woven fabric	0.2mm	≥120	伸长率<3%, 弯曲易断 Elongation<3%, cable crack when bending	易粘结, 因含大量低熔点纤维丙纶 (丙纶熔点小于 170°C) 170°C Easy to stick as to contain a lot of low-temperature polypropylene	一般 Ordinary	难以符合 Below ROHS SGS Standard	一般 Ordinary

- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.

## Polyester Tape

Application: Be used for electric wire, play the role of binding insulating and strapping.

性能指标/ Properties	型号/ Specification			
	JZPET2.5	JZPET3.6	JZPET5.0	JZPET10.0
厚度 (mm) Thickness	0.025±0.003	0.036±0.003	0.05 ±0.005	0.10±0.007
克重(g/m <sup>2</sup> ) Weight	35±5	55±5	70±5	140±5
抗张强度 (N/cm) Tensile Strength	≥40	≥660	≥80	≥80
伸长率 (%) Elongation	≥100	≥100	≥100	≥100
熔点 (°C) Melting Point	≥256	≥256	≥256	≥256
备注 Notice	宽度: 15m 以上, 可根据客户要求分切成其他规格。内芯直径从 56~152mm。 Width of 15mm or above, according to the client's requirement. The minimum slitting width is 5mm. ID is 56~152mm.			

- new material, even in thickness, high-temperature-resistant, no joint, smooth in winding, and no slipping.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



### Aluminum Polyester Composite Tape

性能指标/ Properties	规格(单面) Specification (single-sided)						
	厚度 (mm) Thickness	0.025 ±0.003	0.04±0005	0.05 ±0.005	0.06 ±0.005	0.20±002	0.25±0.02
抗张强度 (N/cm) Tensile Strength	≥25	≥40	≥40	≥50	≥60	≥65	≥70
伸长率 (%) Elongation	≥ 10	≥10	≥15	≥15	≥15	≥15	≥15
抗剥离强度 (N/cm) Peeling Strength	≥6	≥6	≥6	≥6	≥6	≥6	≥6
老化后特性 (68±2℃) Properties After Aging (在热水中浸泡 7 天)	不分层 No delamination	不分层 No delamination	不分层 No delamination	不分层 No delamination	不分层 No delamination	不分层 No delamination	不分层 No delamination
抗氧化性 Anti-oxidation	优	优	优	优	优	优	优

性能 Properties	单面自粘铝箔麦拉带 Single-side Self-adhesive Al Mylar Tape	双面自粘铝箔麦拉带 Double-side Self-adhesive Al Mylar Tape
厚度 (mm) Thickness	0.065	0.07
宽度 (mm) Width	5-1000	5-1000
内孔直径 (mm) Bore diameter	52±0.5 或 76±0.5	52±0.5 或 76±0.5
成盘直径 (mm) Disc diameter	250-650	250-650
颜色 Color	银白色、蓝色 Silver,blue	银白色、蓝色 Silver,blue

- Attention: Double-sided, three layer or more layers composite aluminum foil can be produced according to the concrete parameters that the clients provide.
- Features: thin thickness, excellent shielding performance, no cracking, no layer
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## PP mesh filling rope

### 1. Application

It is used to the filling the power cable, control cable, mine cable, telecom cable. This product is made of polypropylene as base material, adding environmental protection flame retardant agent, and processed by special machine to make high-strength mesh filling material, which is mainly used for filling high-grade flame-retardant special wire and cable. At the same time, it can increase the tensile strength of cable and make the cable round.

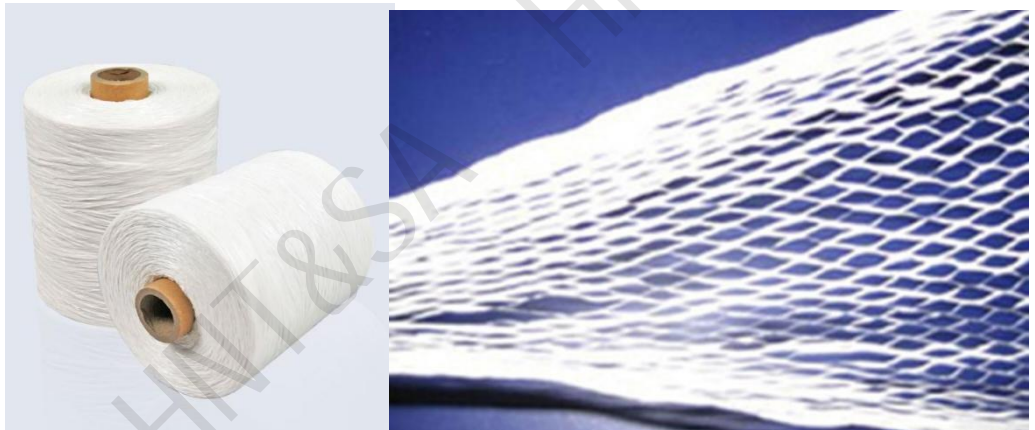
### 2. Package: In Roll 8MT/20FCL

ID	38MM	OD	250MM	HEIGHT	260MM	QTT./20FCL	8MT
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### 3. Technical Parameter

产品规格	2000D	4000D	5000D	8000D	10000D	12000D	15000D	20000D	30000D
每公斤长度 (M/KG)	4500	2400	1800	1125	935	750	600	450	300
伸长率 (%)	≤15	≤15	≤15	≤15	≤15	≤15	≤15	≤15	≤15
拉断力 (N)	≥30	≥50	≥55	≥80	≥90	≥100	≥150	≥200	≥300
热收缩率 (%)	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5	≤2.5
捻后直径 (mm)	0.4	0.5	0.6	1	1.2	1.5	1.8	2.2	2.6
颜色 (常规)	白色	白色	白色	白色	白色	白色	白色	白色	白色
颜色 (阻燃)	淡蓝	淡蓝	淡蓝	淡蓝	淡蓝	淡蓝	淡蓝	淡蓝	淡蓝

- Note: Other specifications can be customized according to customer requirements.
- Features: Excellent softness, light weight, non hygroscopic material, strength not affected by moisture, high tensile strength, good acid alkali and mold resistance, good high-frequency insulation performance, voltage resistance, non-toxic and environmentally friendly.
- Best usage time: within 6 months;
- Storage site requirements cool, dry, and well ventilated.



## Color Identification Tape

### 1. Definition

Product Description: Based on PET material, smooth, wrinkle-free, no kinks, no holes, no nicks, no impurities, edge neatly.

### 2. Application

Mainly used for power cables, XLPE cables, replace the master batch of insulating or sheathing, can save a lot of costs.

After soaking in petroleum paste, the color does not fade and can withstand instant temperature of 230-250°C.

### 3. Technical Parameter

Width (mm)	Specification (μm) thickness	Tensile strength (Mpa)	Elongation (%)	Heat shrinkage (%)	Instantaneous temperature (°C)
3.0±0.5	40±5	≥125	≥15	≤10	180
4.5±0.5	40±5	≥125	≥15	≤10	180
7.0±0.5	40±5	≥125	≥15	≤10	180

In addition to the above specifications, other special requirements can design according to customers

- Color: Red, yellow, blue, green, black and other two colors combination.
- Electrical characteristics: Affordable instant 230 °C high temperature extruded sheath directly into the nose from the head along with the plastic out by vulcanization pipe and does not fade.
- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.



## Type B : Low temperature identification tape

### 1. Definition

The tape is high-temperature resisting(melting point: 168°C).

### 2. Application

For color distinguishing in telecommunication cable and high voltage cross-linked polyethylene insulated cable and local cable.

### 3. Technical Parameter

Type		PE-2	PE-2
Specification		Solid Color	Two-tone
Width	(mm)	4±1	4±1
Temperature resistant	(°C)	160~180	160~180
Thickness	(mm)	0.07±0.01	0.07±0.01
Colors		Red, yellow, blue, green, black, orange, white, brown, purple, grey	White blue, white orange, white gray, white green, white brown, red orange, red blue, red green, black blue, black orange, yellow blue, yellow gray, etc
Length	(m/ reel)	2500±10%	2500±10%
Tensile strength		≥200Mpa	≥200Mpa
Elongation		≥25%	≥25%
Heat shrinkage rate		≤3.5%	≤3.5%

### 4. Standard

Do not fade, not migrate, when wipe with alcohol after oil cream soaked.

Should be smooth, no wrinkles, no kinks

no holes, no cracks and no impurities neat edge.

Should be neatly wound on the core barrel, the appearance of flat tight, neat at both ends.

Without side slung, the core barrel is split in two halves or longitudinal, which can be easily removed from the core.

- Best usage time: within 6 months;
- Storage site requirements: cool, dry, and well ventilated.





## High Precision Copper Strip

Has excellent thermal and electrical conductivity, excellent hot and cold processing performance, can be welded and brazed, and has good corrosion resistance

Alloy Designation, Chemical Composition

牌号(Alloy designation)		化学成分(Chemical Composition)				
国标 GB	日本 JIS	铜+银	磷(P)%	铁(Fe)%	镍(Ni) %	铅(Pb) %
T2	C1100	≥99.90	-	≤0.005	≤0.005	≤0.005

Physical properties, fabrication properties

物理性能(Physical properties)						加工性能(Fabrication properties)					
密度 Desity g/cm <sup>3</sup>	导电率 Electrical conductivity %IACS	导热率 Thermal conductiv ity W/(m.K)	弹性模量 Modulus of elasticity GPa	比热 Specific heat J/(g.k)	热膨胀系数 Thermal expansion coefficients 10 <sup>-6</sup> /K	冷热加 工 Cold hot - workabil ity	切削性能 Machinab ility	电镀性 能 Electric plating property	热浸镀 锡 Hot dip tin plating propert y	焊接 Welda bility	耐腐蚀 Corrosi on
8.83	≥98	385	117	0.385	18	很好 Excell ent	适合 Suitable	很好 Excell ent	很好 Excell ent	好 Good	很好 Excell ent

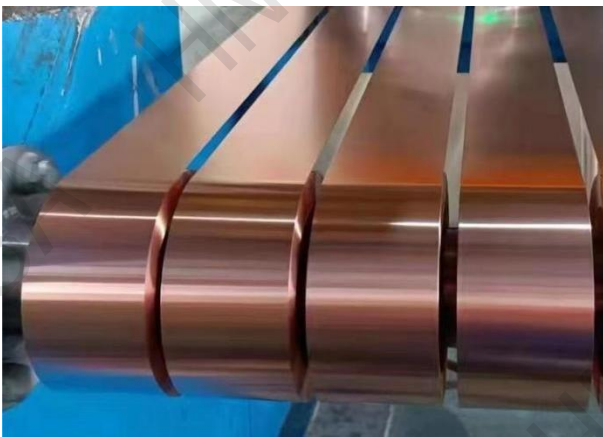
Mechanical properties

机械性能(Mechanical properties)							
状态 Temper	维氏硬度 HV Hardness	拉伸试验(Tension test)			弯曲性能(Bend)		杯突值 IE/mm
		抗拉强度 MPa Tensile strength	屈服强度 MPa Yield strength	延伸率 % Elongation	弯曲角度 Bend angle	弯曲半径 Bend radius	
060	≤70	≥195	-	>30	180° 或 W	贴合	≥7.5
H01	>60-95	215-295	-	>25		厚度*0.5 倍	≥7.0
H02	>80-110	245-345	-	≥8		厚度*1 倍	≥5.5
H04	>90-120	295-395	-	≥3		厚度*2 倍	-

Typical application

Used in the manufacture of automobile water tank tubes, heat sinks, electronic parts, etc.widely used in photovoltaic, semiconductor, automotive, electronic and electrical fields

- Features: Folding resistance and good shielding performance. Easy to oxidize, packaging needs to be processed as soon as possible after opening.
- Best usage time: within 3 months;
- Storage site requirements: cool, dry, and well ventilated.



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## Galvanized Steel Tape for Armoring

### 1. Application

It is mainly used as armoring of power cables.

### 2. Standard

ASTM/A879/A 879M; ICEA S-66.

### 3. Specification & Parameter

Thickness (mm)	Width (mm)	Tensile Strength (Kg/mm <sup>2</sup> )	Zinc Coating (g/m <sup>2</sup> )	Min Elongation in 250mm(%)
0.20±0.02	20±0.10	29.5-41	40-100	12
0.20±0.02	30±0.10	29.5-41	40-100	12
0.50±0.05	30±0.10	29.5-41	40-120	12
0.50±0.05	40±0.20	29.5-41	40-120	12
0.50±0.05	50±0.20	29.5-41	40-120	12
0.50±0.05	60±0.20	29.5-41	40-120	12
0.80±0.08	50±0.20	29.5-41	40-120	12
0.80±0.08	60±0.20	29.5-41	40-120	12

- ▶ Remarks: Executive standard: YB/T 024-2021
- ▶ Best usage time: within 6 months;
- ▶ Storage site requirements: cool, dry, and well ventilated.

