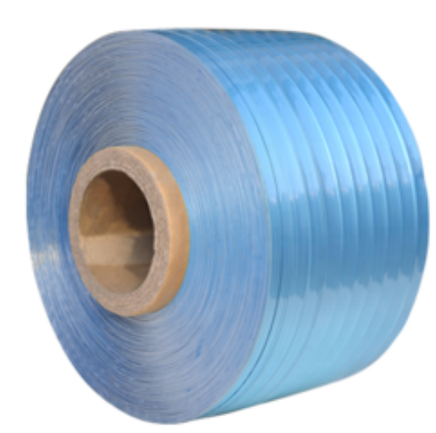
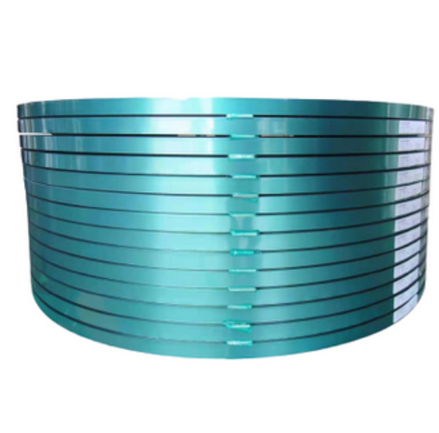
DING HE

The Cable & Wire Material Vendor

Cable Shielding Series

Product Catalog



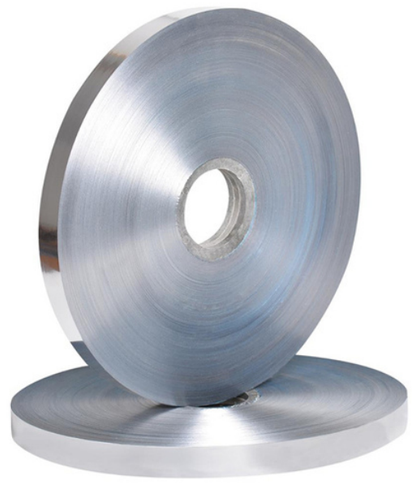


Comment

Aluminum Mylar Tape

Copper Color and Blue Color Aluminum Mylar Tape

Bonded Aluminum Mylar Tape



Copolymer Coated Aluminum Tape

Free-edge Aluminum Mylar Tape

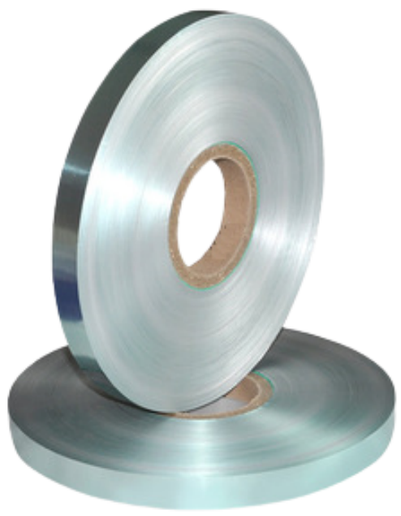
PET (Mylar) Tape

Pure Copper Tape

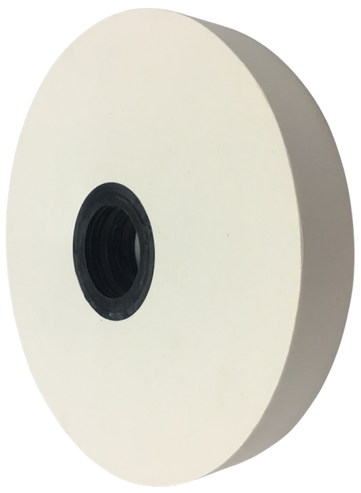
Phlogopite Glass Mica Tape

Synthetic Glass Mica Tape

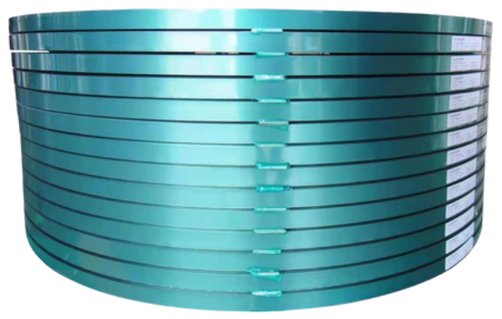
PVC Coated Aluminum Mylar Tape



Cotton Tape



Copolymer Coated Steel Tape



Aluminum Mylar Tape

Single-side Aluminum mylar tape: AL+PET
Double-side Aluminum mylar tape: AL+PET+AL
It is laminated by aluminum foil and PET film, and widely used for coaxial cable (RG series), Data cables, telephone cables, control cables, Lan cables etc.

Packing Solutions:

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤600	≥5	Plastic, Paper
Spool	76(3")	250-350	≤350	Paper

Specification

Structure	Thickness (um)	Weight (g/m^2)	Yield (m^2/kg)	Tensile Strength (N/mm^2)	Elongation (%)
AL7+PET12	21	37.5	26.5	≥60	≥15
AL7+PET18	28	47.3	20.8		
AL9+PET12	24	42.8	23.1		
AL9+PET18	30	52.4	18.7		
AL9+PET23	35	58.2	16.9		
AL9+PET25	37	60.7	15.8		
AL12+PET12	27	50.6	19.3		
AL12+PET23	43	66.1	14.7		
AL15+PET18	36	68.9	14.38		
AL25+PET12	40	85.4	11.55		
AL25+PET23	51	101.4	9.81		
AL38+PET23	64	135.8	7.29		
AL40+PET36	79	158.9	6.18		
AL50+PET15	68	157.4	6.31		
AL7+PET15+AL7	35	64.3	15.2		
AL9+PET15+AL9	39	75.1	12.9		
AL9+PET25+AL9	49	88.9	11.1		
AL25+PET20+AL25	76	168	5.9		

Aluminum Mylar Tape
(Copper Color and Blue Color)

It is laminated by aluminum foil and PET film, and widely used for coaxial cable (RG series), Data cables, telephone cables, control cables, Lan cables etc.

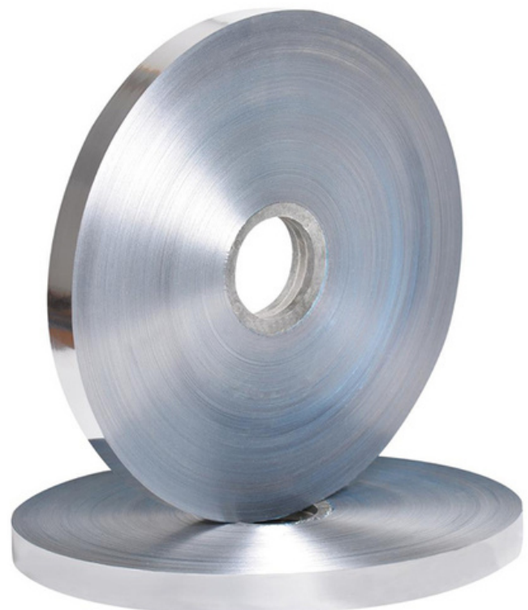
Packing Solutions:

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤600	≥5	Plastic, Paper
Spool	76(3")	250-350	≤350	Paper

Specification

Structure	Thickness (um)	Weight (g/m^2)	Yield (m^2/kg)	Tensile Strength (N/mm^2)	Elongation (%)
AL7+PET12	21	37.5	26.5		
AL7+PET18	28	47.3	20.8		
AL9+PET12	24	42.8	23.1		
AL9+PET18	30	52.4	18.7		
AL9+PET23	35	58.2	16.9		
AL9+PET25	37	60.7	15.8		
AL12+PET12	27	50.6	19.3		
AL12+PET23	43	66.1	14.7		
AL15+PET18	36	68.9	14.38		
AL25+PET12	40	85.4	11.55	≥60	≥15
AL25+PET23	51	101.4	9.81		
AL38+PET23	64	135.8	7.29		
AL40+PET36	79	158.9	6.18		
AL50+PET15	68	157.4	6.31		
AL7+PET15+AL7	35	64.3	15.2		
AL9+PET15+AL9	39	75.1	12.9		
AL9+PET25+AL9	49	88.9	11.1		
AL25+PET20+AL25	76	168	5.9		

Bonded Aluminum Mylar Tape



Bonded Aluminum Mylar(Adhesive Aluminum mylar, EAA Aluminum mylar)is made of Aluminum foil, mylar film and EAA coating, the structure includes EAA+AL+PET and EAA+AL PET+AL+EAA. And it is usually two color for blue and transparent. When EAA coating meets the temperature with 100℃-110℃， it will bonded to cable insulation layer or jacket layer to shield radio wave and electromagnetic interference in high-frequency transmission.

Packing Solutions:

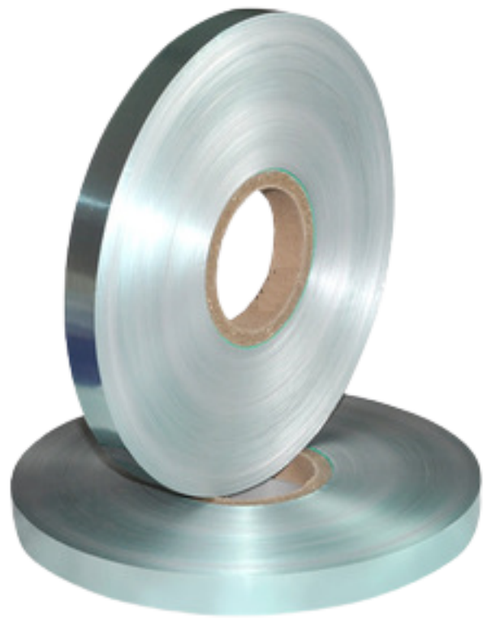
Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	250-650	5-1250	Plastic, Paper

Specification

Structure	Thickness (um)	Weight (g/m^2)	Yield (m^2/kg)
AL7/PET12/EAA25	46	65	11.7
AL7/PET15/EAA25	49	69	11.1
AL9/PET12/EAA25	48	71	10.4
AL9/PET15/EAA25	51	75	10
AL9/PET19/EAA25	55	80	9.4
AL9/PET23/EAA25	57	86	9
AL12/PET15/EAA25	54	84	8.6
AL12/PET23/EAA25	62	95	7.8
AL20/PET12/EAA25	59	102	6.4
AL25/PET12/EAA25	64	115	5.5
AL25/PET25/EAA25	77	133	5
AL7/PET12/AL7/EAA25	54	85.5	11.7
AL7/PET15/AL7/EAA25	57	89.7	11.1
AL9/PET12/AL9/EAA25	58	96.3	10.4
AL9/PET15/AL9/EAA25	61	100.5	10
AL9/PET19/AL9/EAA25	65	106.1	9.4
AL9/PET23/AL9/EAA25	69	111.7	9
AL12/PET15/AL12/EAA25	67	116.7	8.6
AL12/PET23/AL12/EAA25	75	127.9	7.8
AL20/PET12/AL20/EAA25	80	155.7	6.4
AL25/PET12/AL25/EAA25	90	182.7	5.5
AL25/PET25/AL25/EAA25	103	200.9	5

PVC coated Aluminum Mylar Tape

Hot-melt Aluminum Foil Mylar Tape is mainly used in CABLE and WIRE, such as coaxial cables, cignal cables, control cables, instrumentation cables, Lan cables, data communication cables, and most other communication cables.



Packing Solutions

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤600	≥5	Plastic, Paper
Spool	76(3")	250-350	≤350	Paper

Specification

Structure	Thickness(micron)	Weight(g/m^2)	Yield(m^2/kg)
AL7+PET12+PVC3	25	44	22.7
AL7+PET15+PVC3	28	48.2	20.7
AL9+PET12+PVC3	27	49.4	20.2
AL9+PET15+PVC3	30	53.6	18.7
AL9+PET19+PVC3	34	59.2	16.9
AL9+PET23+PVC3	38	64.8	15.4
AL12+PET15+PVC3	33	61.7	16.2
AL6+PET12+hotmelt glue 2	23	38	26.3
AL7+PET12+hotmelt glue 2	24	40.8	24.5
AL7+PET15+hotmelt glue 2	27	45	22.2

Free-edge Aluminum Mylar Tape

Free-edge Aluminum Mylar Tape, also called Butterfly-wing Aluminum Mylar tape, is made of alu foil and single mylar or double mylar film. The side extension film could provide reliable insulation and sealing. It is used to block the interference of twisted wire, composite wire and multi-conductor wire, control wire, computer wire and signal transmission wire, etc. It is the necessary for DVI, HDMI, DP, RGB and other high frequency wire.

Packing Solutions

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤350mm	5-1250	Plastic, Paper

Specification

Item	Regular Structure				
	6+9	8+11	19+14	12+16	14+18
Thickness of Aluminum	0.007±0.001mm	0.007±0.001mm	0.007±0.001mm	0.007±0.001mm	0.007±0.001mm
Thickness of polyester	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm
Thickness of Edge Polyester	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm	0.015±0.002mm
Thickness of Total	0.043±0.003mm	0.043±0.003mm	0.043±0.003mm	0.043±0.003mm	0.043±0.003mm
Total Width	Specified±0.5mm	specified±0.5mm	specified±0.5mm	specified±0.5mm	specified±0.5mm
Edge Width (double edge)	1-1.5mm	1-1.5mm	2-2.5mm	2-2.5mm	2-2.5mm
	2-1.5mm	2-1.5mm	2-1.5mm	2-1.5mm	2-1.5mm
Edge Width (single edge)	0-0.5mm	0-0.5mm	0-0.5mm	0-0.5mm	0-0.5mm
	3-2.5mm	3-2.5mm	4-3.5mm	4-3.5mm	4-3.5mm
Tensile strength	≥50N/mm²	≥50N/mm²	≥50N/mm²	≥50N/mm²	≥50N/mm²
Elongation	≥35%	≥35%	≥35%	≥35%	≥35%

PET (Mylar) Tape

PET (Mylar) tape have good mechanical strength, perfect insulation, puncture resistance, friction resistance, high temperature resistance, low temperature resistance. So it's an ideal wrapping material, and widely used in communication cables, optical cables, power cables, coaxial and other special cables.

Packing Solutions

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤600	≥5	Plastic, Paper
Spool	76(3")	250-350	≤350	Paper

Specification

Item	Unit	Typical Result
Thickness	Mic	12-75
Density	g/cm³	1.40±5%
Tensile Strength (MD)	Mpa	≥150
Elongation at break (MD)	%	≥80
Melting Point	℃	255
Heat Shrinkage (150 ℃, 30min)	%	≤3. 5

Pure Copper Tape

It is mainly used to manufacture shielding layer cable, which shields signal and interferes electromagnetism.
 Not only armoring of cables, communication cables, but also in other areas such as lead frames, connectors and oscillation reeds, mobile phone main boards, lithium ion battery lamination etc.

Packing Solutions:

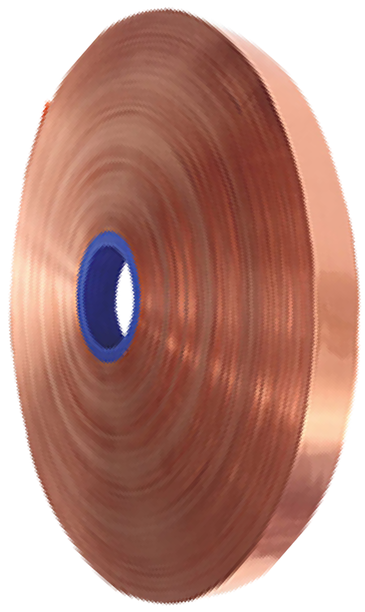
Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	76(3"), 152(6")	≤450	10-600	Plastic and Metal

Specification

Item	Unit	Typical Result	
Alloy	-	T2	
Thickness	mm	0.05-0.35	
Thickness Tolerance	mm	<0.21	±0.008
		0.22-0.35	±0.01
Width	mm	10-600	
Tensile Strength	Mpa	230-260	
Elongation at break	%	≥15	
Vickers Hardness	HV	≤60	
Conductivity	%IACS	≥98 or 99.9	
Copper Content	%	≥99.9	

Copper Mylar Tape

Copper Polyester Tape (CU/PET) is used as shielding foil for cables which must be free of electromagnetic or electrostatic interference. The copper layer has excellent mechanical and shielding characteristics where as the polyester layer provides the electric insulation characteristics and makes the tape softer to wrap. The Copper Polyester Tape is used in low and medium voltage cables, control cables, coaxial cables, and so on.



Packing Solutions

Type	ID(mm)	OD (mm)	Width (mm)	Core
Pad	52(2"), 76(3"), 152(6")	≤ 500	≥5	Plastic, Paper
Spool	76(3")	200-300	≤35	Paper
Jumbo	76(3"), 152(6")	200-500	300, 350	Paper, Metal

Specification

Structure	Thickness (micron)	Weight (g/m^2)	Yield (m^2/kg)	Tensile Strength (N/mm^2)	Elongation (%)
CU15/PET12	30	153	6.5	≥100	≥10
CU15/PET23	41	169	5.6		
CU18/PET23	44	195	5.1		
CU20/PET23	46	213	4.7		
CU40/PET23	66	391	2.5		
CU50/PET50	103	518	1.9		

Mica Tape - Phlogopite Glass Mica Tape

The Phlogopite Glass Mica Tape consists of Phlogopite mica paper and is reinforced with alkali-free fiberglass cloth with a precise amount of special silicone resin adhesive in-between. Our tapes have great flexibility, high tensile strength and show outstanding high temperature resistance towards fire and flameThese Tapes can be widely used for fire resistant cables, flame retardant cables and high temperature resistant cable. This tape can resist temperatures of up to 800℃.

Packing Solutions

Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3")	150-400	≥5	Plastic, Paper
Spool	76(3")	200-300	≤350	Paper

Specification

Item	Unit	Typical Result
Structure	-	Fiberglass/Phlogopite Mica paper/ PE Film
Thickness	mm	0.14±0.015
Total Weight	g/m²	205±10
Mica Paper Content	%	>65
Bonding Agent Content	%	10±3
Tensile Strength	N/cm	≥130
Dielectric Strength	KV	≥2.0
Fire Resistance	-	Pass IEC60331:flame resistance test

Mica Tape - Synthetic Glass Mica Tape

The Synthetic Glass Mica Tape consists of Synthetic mica paper and is reinforced with alkali-free fiberglass cloth with a precise amount of special silicone resin adhesive in-between. Our tapes have great flexibility, high tensile strength and show outstanding high temperature resistance towards fire and flame.
These Tapes can be widely used for fire resistant cables, flame retardant cables and high temperature resistant cable. This tape can resist temperatures of up to 1000℃.

Packing Solutions

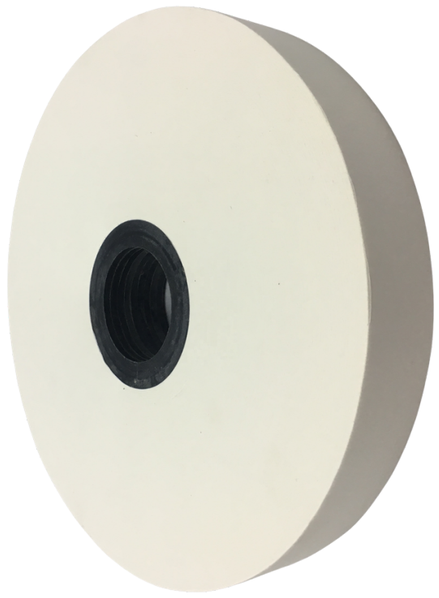
Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3")	150-400	≥5	Plastic, Paper
Spool	76(3")	200-300	≤350	Paper

Specification

Item	Unit	Single-side	Double-Side
Construction		Fiberglass/Synthetic Mica Paper /PE film	Fiberglass/Synthetic Mica Paper /Fiberglass
Thickness	mm	0.14±0.03	0.16±0.03
Total Weight	g/m²	190±30	210±30
Mica Paper Content	%	>55	
Bonding Agent Content	%	10±3	
Tensile Strength	N/cm	≥100	
Dielectric Strength	KV	≥3.5	
Fire Resistance		Pass IEC60331:flame resistance test	

Cotton Paper

Cotton Paper is widely used as cable insulation layer in many cable and wires such as communication wire, data transfer wire, instrumentation wires. It is cheap and light density than other filling materials. This item can be used to form a perfect shape in the cable. Lower density, cheap costs, good performance make it popular in electrical insulation.



Packing Solutions

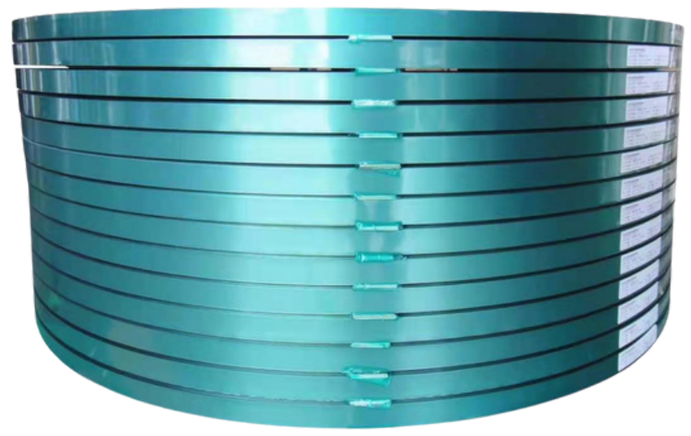
Type	ID(mm)	OD(mm)	Width(mm)	Core
Pad	52(2"), 76(3")	≤600	≥5	Plastic, Paper
Spool	76(3")	200-300	≤35	Paper

Specification

Item	Unit	Typical Result	
Thickness	mm	0.04±0.003	0.05±0.003
Unit Weight	g/m²	25±3	30±4
Tensile Strength	N/cm	≥15	≥20
Elongation at break	%	≤5	≤5

Copolymer Coated Steel Tape

Copolymer Coated Steel Tape consists of a steel tape coated on single or both sides with an adhered ethylene copolymer. Steel base-tape is chrome-electroplated cold-rolled steel tape or cold-rolled steel tape. The copolymer exhibits excellent adhesion to the steel substrate and has the chemical resistance and general characteristics of lower density polyethylene. It could bond to low, linear low, medium and high density polyethylene. The Copolymer coated steel tape is mainly used as moisture-proof layer, Shield layer of communication cable, Optic fiber cable or other cable.



Packing Solutions

Type	ID(mm)	Length(m)	Standard Width (mm)	Core
Pad	152(6"), 406(16")	2100-4200	≥12	Metal, Plastic
Jumbo	152(6"), 406(16")	2100-4200	610,810	Metal, Paper

Specification

Item	Unit	Typical Result	
Steel Thickness	mm	0.12-0.20	
EAA Copolymer Thickness	mm	0.05±0.01	
Total Thickness (Single Side)	mm	0.17-0.25	
		0.22-0.3	
Tensile Strength*	Mpa	310-390	
Elongation	%	≥15	
Peel Strength	N/cm	≥6.13	
Heat Seal Strength	N/cm	≥17.5	
Water Resistance Peel Strength (68±1°C, 168h)	N/cm	≥6.13	
Filler/Floodant	-	No Delamination	
Dielectric Strength	-	Single Side(DC 1KV 1min)	Without Breakdown
	-	Double Sides(DC 2KV 1min)	
Corrosion Resistance (0.1mol/L NaOH 480h)	≥7		

Copolymer Coated Aluminum Tape

The Copolymer Coated Aluminum Tape consists of an aluminum tape coating on one side and an adherent ethylene copolymer on the other side, available either as natural color or blue. The Copolymer shows excellent adhesion to the aluminum substrate. It bonds to low density polyethylene (PE), linear low density PE, medium density PE and high density PE. The aluminum is of a great purity and quality, and has high conductivity characteristics. This tape is mostly used for the production of telecommunication cables in order to avoid interference but also to ensure the separation of inner cable groups

Packing Solutions

Type	ID(mm)	Length(m)	Standard Width (mm)	Core
Pad	152(6"), 406(16")	2100-4200	≥12	Metal, Plastic
Jumbo	152(6"), 406(16")	2100-4200	610,810	Metal, Paper

Specification

Item	Unit	Typical Result	
Aluminum Thickness	mm	0.1-0.3	0.15
EAA Copolymer Thickness	mm	0.05+/-0.01	
Total Thickness (Single Side)	mm	0.15-0.35	0.2
Total Thickness (Double Sides)	mm	0.20.4	0.25
Tensile Strength	Mpa	≥58	
Elongation	%	≥10	
Peel Strength	N/cm	≥6.13	
Heat Seal Strength	N/cm	≥17.5	
Water Resistance Peel Strength (68±1°C, 168h)	N/cm	≥6.13	
Filler/Floodant	-	Single Side(DC 1KV 1min)	Without Breakdown
Dielectric Strength (DC 1KV 1 min)	-	Double Sides(DC 2KV 1min)	Without Breakdown
Corrosion Resistance (0.1mol/L NaOH 480h)	Grade	≥7	

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