■ TECHNICAL DATA SHEET ■

COPOLYMER COATED ALUMINUM TAPE

Product	Aluminum / Copolymer (One side) ref. AL/PE
Material	Aluminum + Copolymer
Applications	Telecommunication material. It provides a moisture, chemical barrier and shielding layer for Fiber Optic Cable, Communication Cable, Power cable and coaxial Cable.

Reference	Aluminum Substrate Thickness	Film Thickness (Each side)	Total Thickness (one Side)
AL/PE 80/50	0.08 +/- 6 %	0.050 +/- 0.005mm	0.13 mm
AL/PE 150/50	0.15 +/- 6 %	0.050 +/- 0.005mm	0,200 mm
AL/PE 200/50	0.20 +/- 6 %	0.050 +/- 0.005mm	0.250mm
AL/PE 300/50	0.30 +/- 6 %	0.050 +/- 0.005mm	0.350 mm

*The copolymer forms good bond to not only the aluminum substrate, but also Low density polyethylene (LDPE), Linear Low Density Polyethylene (LLPDE), Medium Density Polyethylene (MDPE), High Density Polyethylene (HDPE) and Halogen-Free Polyolefin (HFPO) jacketing resins, and consequently forms a " composite protection coat " to provide a reliable moisture, chemical barrier and shielding

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Info at: or64@or64.com

Aluminum alloy NO.: 1050, 1145, 1200, Temper H0.

Technical Characteristics

Aluminium Properties	Metric		Test Method
	Value	Units	
Tensile Strength	≥ 75	Mpa	YD/T723-2007
Elongation to Break	≥ 25	%	YD/T723-2007
Peel Strength (Coating to Aluminum)	≥ 0,45	N/mm	YD/T723-2007
Melt Flow Index	10	D/min.	ASTM D1238 (Cond. 190/2.16)
Melting Point	100	ºC	ASTM D 3418 (DSC)
Shear Strength	The coated aluminum tape fails in tension before the bond between coatings fails in shear		YD/T723-2007
Coefficient of Kinetic Friction	≤ 0.65	---	YD/T723-2007

Packaging Characteristics

Slitting width	From 20mm to 510 mm
Jumbo Roll Width	516mm , 556mm, 850 mm
Standard Length	Min 2050 m, Max 4100 m*
Metal core ID	103mm, 151 mm, 206 mm, 406 mm

*Other length, width and ID may be at buyer´s option.

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