

MATERIAL DATA SHEET

AlfaBond CA 2001 Coated Aluminium

Product Description

AlfaBond CA 2001 plastic clad aluminium consists of an aluminium tape coated on one side with an adherent ethylene copolymer. The copolymer exhibits excellent adhesion to the aluminium substrate and has the chemical resistance and general characteristics of low-density polyethylene; it bonds to low, linear low, medium and high density polyethylene. The aluminium is an electrical grade, which has high conductivity and excellent fabrication characteristics.

The coated aluminum meets or exceeds the requirements of the Chinese Standard YD/T723.3-94 and ASTM B736, Type I, Class 2.

Specification

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Type	Standard	Thickness(mm)			Color
EL	YD/T723.3-94	Aluminum	EAA	Total	Natural
PO No.		0.20	0.05	0.25	
Property		Unit	Typical value		Test Method
Tensile Strength		MPa	≥65		ASTM E8
Elongation at break		%	≥19		ISO 527
Peel strength		N/cm	≥6.13		ASTM E8
Heat seal strength		N/cm	≥10		ASTM B 736
Filler/Floodant Resistance 68±1°C,168hrs			No delamination		REA PE-39, PE-89
Water Resistance 68±1°C,168hrs Peel strength		N/cm	6.13		ASTM B736
Dielectric strength Two-side, DC 1KV, 1 min			No Break		
Corrosion Resistance		Grade	7		

PANCAKE TYPE:

Inner diameter (mm)	Width Jumbo Roll (mm)	Width Slit Roll (mm)	Outer diameter (mm)	Length (m)
150 (+/-3mm)	500	12-500	406 (+/-3mm)	2100, 4200

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