



4701 Amucor foil

Product Description

Amucor foil 4701 is a polyester film-laminated aluminum foil. Amucor foil 4701 is available in standard and custom widths and lengths. Standard length 10, 50 or 100 meters.

- Widths from 6mm to 1150mm
- Longer lengths up to several times normal length, dependent upon width.

Applications

Amucor foil 4701 is typically used for applications requiring non-electrical conductivity from the application substrate to the backing and needing insulation on top of the foil backing. Common uses include grounding and EMI shielding in equipment, components, shielded rooms, etc.

Shielding Effectiveness

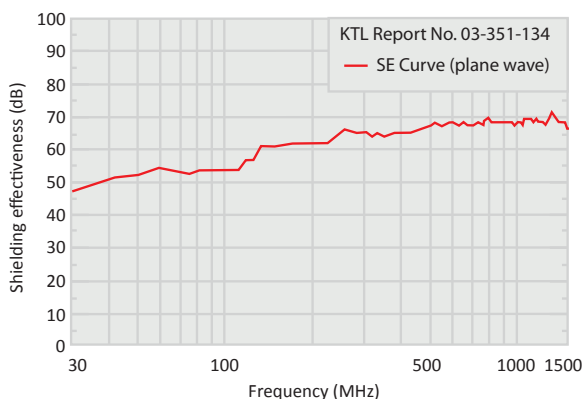
Many factors determine the true shielding effectiveness of a shielding foil, including type and thickness of foil, intimacy of contact, smoothness of application surface, strength and frequency of the EMI signal, etc. However, using standard tests and fixtures, it is possible to determine a value for the attenuation

Typical Properties

Properties	Typical value
Type of backing	PET-laminated aluminum foil backing
Breaking strength ¹	6.5 kg./25 mm
Elongation	40%
Shielding effectiveness ²	Refer to attenuation chart
Temperature range	- 55°C till +120°C

- * Footnotes: 1. Test method ASTM-D-1000
2. ASTM-D-4935 Test Method

Shielding Effectiveness (Test method: ASTM-D-4935)



Physical

Properties	Typical value	Unit	Test method
Construction	Al/PET		
Foil	12µm Aluminum	lcode	
Film	23µm Polyester		
Unit weight	68	g/m ²	
Thickness	38	µm	
Density	1.79	g/cm ³	Calculated
Yield	0.68	Kg/km (@10mm)	Calculated
RoHS compliance	YES		

Mechanical

Properties	Typical value	Unit	Test method
Tensile strength (MD)	>118	N/mm ²	ASTM D-882
Elongation (MD)	>90	%	ASTM D-882
Breaking strength (MD)	>45	N/cm	ASTM D-882
Static coefficient of friction	1.2		ASTM D-1894
Kinetic coefficient of friction	1.35		ASTM D-1894

Electrical

Properties	Typical value	Unit	Test method
Conductivity (Aluminum)	34.5 - 37.0	MS/m	supplier data
Resistivity (Aluminum)	2.7 - 2.9	µhm. cm	supplier data
Dielectric strength of film	>4	kV	supplier data

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase.

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