



REFLECT-MET® 12µm METALLIZED & TOP-COATED POLYESTER FILM Typical Values

Coated Metal One Side, Corona Treat Other Side

A bi-axially oriented polyester film exhibiting excellent heat reflection properties, a moisture protected metal layer, and bright foil appearance. Consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. Excellent WVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	57,2	m ² /kg	
Thickness	12	µm	
Tensile Strength	172,4 MD 206,8 TD	N/mm ²	ASTM D882
Tensile Modulus	3654 MD 3861 TD	N/mm ²	ASTM D882
Elongation	90 MD 70 TD	%	ASTM D882
Optical Density	2,0	Macbeth	CMP OD-1
Light Transmission	< 1,0	%	
Emissivity	0,06	-	ASTM C1371
Moisture corrosion	Passes	Visual inspection after 7 days accelerated aging	ASTM D3310
Vapor Retarder	0,008 0,235	Perms (not aged) Perms (after 28 days accelerated aging)	Perm - ASTM E96 Aging - ASTM C1258
WVTR	0,78	g/m ² /24 hr	ASTM E-398 (37,8° C, 90% RH)
Metal Adhesion	3,0	N/25mm	CMP MA-1
Surface Energy on Non-meal Side	54	Dyne/cm	ASTM D2578

The polyester side is in compliance with the regulation FDA 21 CFR 177.1630 (f, g, h) and EU Directive 2002/72 and 2011/10.

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