



REFLECT-MET[®] PET

TOP COATED & METALLIZED POLYESTER FILM

Typical Values (Imperial)

Coated Metallized 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
Thickness		0.48	mil	
Yield		40,800	in ² /lb	
Tensile Strength	MD	25,000	psi	ASTM D882
	TD	30,000		
Tensile Modulus	MD	530,000	psi	ASTM D882
	TD	560,000		
Elongation	MD	90	%	ASTM D882
	TD	70		
Optical Density		2.0		CMP OD-1
Light Transmission		<1.0	%	
Emissivity		0.05		ASTM C1371
Moisture Corrosion		Passes	< 0.1 emissivity after 7 days aging	ASTM D3310
Vapor Retarder		0.008	Perms (not aged)	Perm – ASTM E96 Aging – ASTM C1258
		0.235	Perms (after 28 days accelerated aging)	
Metal Adhesion		300	g/in	CMP MA-1
Surface Energy (Non-metal side)		54	Dyne/cm	ASTM D2578

The information and opinions herein are believed to be true and accurate and presented without guarantee or responsibility on our part. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.



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Properties		Typical Value	Units	Test Method
Thickness		12,0	µm	
Yield		58,4	m ² /kg	
Tensile Strength	MD	172,4	N/mm ²	ASTM D882
	TD	206,8		
Tensile Modulus	MD	3654	N/mm ²	ASTM D882
	TD	3861		
Elongation	MD	90	%	ASTM D882
	TD	70		
Optical Density		2,0		CMP OD-1
Light Transmission		< 1,0	%	
Emissivity		0,05		ASTM C1371
Moisture Corrosion		Passes	< 0.1 emissivity after 7 days aging	ASTM D3310
Vapor Retarder		0,008	Perms (not aged)	Perm – ASTM E96 Aging – ASTM C1258
		0,235	Perms (after 28 days accelerated aging)	
Metal Adhesion		3,0	N/25mm	CMP MA-1
Surface Energy (Non-metal side)		54,0	Dyne/cm	ASTM D2578

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