

CEL-MET™ PET METALLIZED POLYESTER FILM Typical Values Metal One Side, Corona Treat Other Side

A surface or reverse printable bi-axially oriented metallized polyester film, exhibiting excellent adhesion 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	41,600		in ² /lb	
Thickness	0.48 12		Mil µm	
Tensile Strength	MD TD	25,000 30,000	psi	ASTM D882
Tensile Modulus	MD TD	530,000 560,000	psi	ASTM D882
Elongation	MD TD	120 120	%	ASTM D882
Optical Density	2.0		Tobias Densitometer	CMP OD-1
Light Transmission	< 1.0		%	
Coefficient of Friction	0.45 0.55		Kinetic Static	ASTM D1894
WVTR	0.06		g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.07		cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion	300		g/in	CMP MA-1
Surface Energy on Non-metal 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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