



CEL-MET™ 40 g **METALLIZED POLYESTER FILM**

Typical Values

Metal One Side, Corona Treat Other Side

A surface or reverse printable biaxially oriented polyester film exhibiting excellent adhesion and bright foil appearance. Consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. Excellent MVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	50,200	in ² /lb	
Average Thickness	0.40 10	mil µm	
Tensile Strength	29,000 MD 27,000 TD	psi	ASTM D882
Tensile Modulus	530,000 MD 560,000 TD	psi	ASTM D882
Elongation	90 MD 90 TD	%	ASTM D882
Optical Density	2.0	Macbeth	CMP OD-1
Light Transmission	1.0	%	
Coefficient of Friction	0.45 Kinetic 0.55 Static	-	ASTM D1894
MVTR	0.06	g/100in ² /24 hr.	ASTM E398 (100° F, 90% RH)
OTR	0.07	cc/100in ² /24 hr.	ASTM D3985 (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.

The metallized side is FDA approved for indirect food contact.

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