

## CEL-MET™ 48g METALLIZED POLYESTER FILM Typical Values Metal One Side, Corona Treat Other Side

A surface or reverse printable bi-axially 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 WVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
<b>Yield</b>	41,600	in <sup>2</sup> /lb	
<b>Thickness</b>	0.48 12	Mil µm	
<b>Tensile Strength</b>	25,000 MD 30,000 TD	Psi	ASTM D882
<b>Tensile Modulus</b>	530,000 MD 560,000 TD	Psi	ASTM D882
<b>Elongation</b>	120 MD 120 TD	%	ASTM D882
<b>Optical Density</b>	2.0	Macbeth	CMP OD-1
<b>Light Transmission</b>	< 1.0	%	
<b>Coefficient of Friction</b>	0.45 Kinetic 0.55 Static	-	ASTM D1894
<b>WVTR</b>	0.06	g/100in <sup>2</sup> /24 hr.	ASTM E-398 (100° F, 90% RH)
<b>OTR</b>	0.07	cc/100in <sup>2</sup> /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
<b>Metal Adhesion</b>	300	g/in	CMP MA-1
<b>Surface Energy on Non-metal Side</b>	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.

The metallized side is FDA approved for indirect food contact.

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