

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
Yield	41,600	in ² /lb	
Thickness	0.48 12	Mil µm	
Tensile Strength	25,000 MD 30,000 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
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.

The metallized side is FDA approved for indirect food contact.

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