



SUPERMET™ 48 g **METALLIZED POLYESTER FILM**

Typical Values

Metal One Side, Corona Treat Other Side

Celplast has developed a metallized biaxially oriented polyester film which provides superior metal adhesion values, lot after lot, with good barrier properties 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	41,600	in ² /lb	
Average 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 70 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	0.05	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	> 600	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.

For more information, visit us at <http://cmp.celplast.com>.

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