

## ULTRAMET<sup>®</sup> PLUS

### METALLIZED POLYESTER FILM

#### Typical Values (Imperial)

Metallized one side, Corona Treat other side

A surface or reverse printable biaxially oriented polyester film exhibiting bright foil appearance. For demanding applications that require ultra-high metal to PET adhesion. 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
Thickness		0.48	mil	
Yield		41,400	in <sup>2</sup> /lb	
Tensile Strength	MD	27,000	psi	ASTM D882
	TD	27,000		
Elongation	MD	100	%	ASTM D882
	TD	90		
Optical Density		2.0		CMP OD-1
Light Transmission		< 1.0	%	
WVTR		0.05	g/100in <sup>2</sup> /24 hr	ASTM F1249 (100° F, 90% RH)
OTR		0.07	cc/100in <sup>2</sup> /24 hr	ASTM D3985 (73.4° F, 50% RH)
Metal Adhesion		>1000 *	g/in	CMP MA-1
		>600 **		CMP MA-2

\*Certified metal adhesion value tested heat sealing the sample to EAA/Paper/Foil laminate at 250°F/40psi/5s

\*\*Value in solvent-based adhesive lamination (PET/Adhesive/Metal/PET). LOCTITE Liofol LA 3709/6055. Cured at 35°C/48h.

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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