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## ULTRAMET® WR-ET METALLIZED POLYESTER FILM

**Metallized One Side, Corona Treated Other Side  
 Improved Metal Adhesion, Water Resistance and Easy Tear**

A surface printable biaxially oriented polyester film exhibiting bright foil appearance. For demanding applications that require ultra-high metal to PET adhesion, great water resistance and easy tear properties, consistently good handling, 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 <sup>2</sup> /lb	
Standard Gauge	0.48	Mil	
Tensile Strength	29,000 MD 31,000 TD	Psi	ASTM D882
Elongation	<130 MD 100 TD	%	ASTM D882
Optical Density	2.0	Macbeth	CMP OD-1
Light Transmission	1.0	%	
MVTR	0.05	g/100in <sup>2</sup> /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.05	cc/100in <sup>2</sup> /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion	>1000* >500**	g/in	CMP MA-1 CMP MA-2
Coefficient of Friction	0.40 0.50	Kinetic Static	ASTM D-1894
Water Immersion	No Degradation***		CMP WI-1

\*Certified metal adhesion value

\*\*Value in solvent-based adhesive lamination (PET/Meta I/Adhesive/PET)

\*\*\*Results of complete water submersion at 23°C for 24 hours

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 information and opinions herein are believed to be true and accurate. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.