

ULTRAMET® WR HB

METALLIZED POLYESTER FILM

Metallized One Side, Corona Treated Other Side
Improved Metal Adhesion and Water Resistance
Provisional datasheet

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 properties, consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. High WVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	41,600	in ² /lb	
Standard Gauge	0.48	Mil	
Tensile Strength	29,000 MD 31,000 TD	psi	ASTM D882
Elongation	140 MD 110 TD	%	ASTM D882
Optical Density	2.0	Macbeth	CMP OD-1
Light Transmission	1.0	%	
MVTR	0.03	g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.03	cc/100in ² /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/Metal/Adhesive/PET)

***Observed after being completely submerged in water for 24 hours at 23°C

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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