



ULTRAMET® WR PCR PET METALLIZED POLYESTER FILM

Developmental Data Sheet Metallized One Side, Corona Treated Other Side Improved Metal Adhesion and Water Resistance

A metallized biaxially oriented polyester film with 90% content from chemically recycled polyester. ULTRAMET WR PCR PET performance matches that of traditional ULTRAMET with the same film properties and characteristics. 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. Excellent 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	Tobias Densitometer	CMP OD-1
Light Transmission	1.0	%	
MVTR	0.05	g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.05	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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