

ULTRAMET® WR PCR METALLIZED POLYESTER FILM

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

A high-adhesion, metallized biaxially oriented polyester film **90% content from chemically recycled polyester**. UTRAMET WR PCR PET performance matches that of traditional UTRAMET WR 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	59,2	m ² /kg	
Thickness	12	µm	
Tensile Strength	200 MD 214 TD	N/mm ²	ASTM D882
Elongation	140 MD 110 TD	%	ASTM D882
Optical Density	2,0	Tobias Densitometer	CMP OD-1
Light Transmission	< 1,0	%	
Coefficient of Friction	0,40 0,50	Kinetic Static	ASTM D-1894
WVTR	0,78	g/m ² /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	0,78	cc/m ² /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	>8,0* >5,0**	N/25mm	CMP MA-1 CMP MA-2
Water Immersion	No Degradation***		CMP WI-1

*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). Dow Adhesive 577/577B. Cured at 35°C/48h.

***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).

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