

ULTRAMET® WR HB PCR METALLIZED POLYESTER FILM

Developmental Data Sheet

Metal One Side, Corona Treat Other Side

A high-adhesion, metallized biaxially oriented polyester film **with 90% content from chemically recycled polyester**. ULTRAMET WR HB PCR PET performance matches that of traditional ULTRAMET WR HB with the same film properties and characteristics. For demanding applications that require ultra-high metal to PET adhesion, great water resistance and, consistently good handling properties. Excellent heat stability, slip, and high tensile strength for easy lamination. High 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	90 MD 70 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	0,47	g/m ² /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	0,47	cc/m ² /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	>10,0* >5,0**	N/25mm	CMP MA-1 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). Dow Adhesive 577/577B. 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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