

# ULTRAMET® HB PCR METALLIZED POLYESTER FILM

## Developmental Data Sheet Metal One Side, Corona Treat Other Side

A metallized biaxially oriented polyester film **with 90% content from chemically recycled polyester**. ULTRAMET HB PCR performance matches that of traditional ULTRAMET with the same film properties and characteristics. For demanding applications that require ultra-high metal to PET adhesion. 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 <sup>2</sup> /lb	
Standard Gauge	0.48 12	mil µm	
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	%	
Coefficient of Friction	0.40 0.50	Kinetic Static	ASTM D-1894
WVTR	0.03	g/100in <sup>2</sup> /24 hr.	ASTM E398 (100° F, 90% RH)
OTR	0.03	cc/100in <sup>2</sup> /24 hr.	ASTM D3985 (73.4° F, 50% RH)
Metal Adhesion	>1000* >500**	g/in	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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