

## ULTRAMET® HB PCR METALLIZED POLYESTER FILM

### Developmental Data Sheet

#### Metallized One Side, Corona Treat Other Side

A metallized biaxially oriented polyester film **90% content from chemically recycled polyester**. UTRAMET HB PCR performance matches that of traditional UTRAMET 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	59,2		m <sup>2</sup> /kg	
Thickness	12		µm	
Tensile Strength	200 214	MD TD	N/mm <sup>2</sup>	ASTM D882
Elongation	90 70	MD 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 <sup>2</sup> /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	0,47		cc/m <sup>2</sup> /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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