

## **ULTRAMET™** **METALLIZED POLYESTER FILM**

### **Typical Values** **Metal One Side, Corona Treat Other Side**

A surface or reverse printable biaxially oriented polyester film exhibiting bright foil appearance. 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	172,4 MD 206,8 TD	N/mm <sup>2</sup>	ASTM D882
Tensile Modulus	3654 MD 3861 TD	N/mm <sup>2</sup>	ASTM D882
Elongation	120 MD 120 TD	%	ASTM D882
Optical Density	2,0	Macbeth	CMP OD-1
Light Transmission	< 1,0	%	
Coefficient of Friction	0,38 0,50	Kinetic Static	ASTM D-1894
WVTR	0,78	g/m <sup>2</sup> /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	1,09	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.

The metallized side is FDA approved for indirect food contact.

The information and opinions herein are believed to be true and accurate. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.