celplast
metallized products

Celplast Metallized Products Limited
67 Commander Blvd, Unit 4
Toronto, Ontario, M1S 3M7
O 416-293-4330 F 416-293-9198
www.celplast.com

ULTRAMET® HB

METALLIZED POLYESTER FILM

Typical Values

Metal One Side, Corona Treat Other Side

A surface 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	41,600	in^2/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 **Light Transmission**	2.0 1.0	Macbeth %	CMP OD-1
Coefficient of Friction	0.40 0.50	Kinetic Static	ASTM D-1894
WVTR	0.03	$g/100in^2/24$ hr.	ASTM E398 (100^o F, 90% RH)
OTR	0.03	$cc/100in^2/24$ hr.	ASTM D3985 (73.4^o 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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