

SUPERMET[®] HB

METALLIZED POLYESTER FILM

Typical Values

Metal One Side, Corona Treat Other Side

Celplast has developed a metallized biaxially oriented polyester film which provides superior metal adhesion values, lot after lot, with good barrier properties and bright foil appearance. 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 ² /kg	
Thickness	12	µm	
Tensile Strength	172,4 MD 206,8 TD	N/mm ²	ASTM D882
Tensile Modulus	3654 MD 3861 TD	N/mm ²	ASTM D882
Elongation	120 MD 120 TD	%	ASTM D882
Optical Density	2,0	Macbeth	CMP OD-1
Light Transmission	< 1,0	%	
Coefficient of Friction	0,45 Kinetic 0,55 Static	-	ASTM D1894
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	> 6,0	N/25mm	CMP MA-1
Surface Energy on Non-metal side	54	Dyne/cm	ASTM D2578

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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