

FOILMET™ METALLIZED POLYESTER FILM Typical Values Metal One Side, Corona Treat Other Side

Celplast has developed a met PET film which provides guaranteed superior oxygen and water vapor barrier, lot after lot. A surface or reverse printable biaxially oriented polyester film exhibiting excellent adhesion and bright foil appearance. Consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. Featuring superior 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	3654,2 MD 3861,1 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	< 0,62	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	3,0	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. The metallized side is FDA approved for indirect food contact.

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