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FOILMET®

METALLIZED POLYESTER FILM

Typical Values

Metal One Side, Corona Treat Other Side

A Metallized polyester film which provides guaranteed superior oxygen and water vapor barrier, lot after lot. A surface 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	MD TD	206,8 227,5	N/mm^2	ASTM D882
Elongation	MD TD	90 70	%	ASTM D882
Heat Shrinkage	1.5 0.2		%	30 min. 70° C.
Optical Density	> 2,0		Tobias	CMP OD-1
Light Transmission	< 1,0		%	
Coefficient of Friction	Kinetic Static	0,45 0,55	-	ASTM D1894
WVTR	< 0,62		$g/m^2/24$ hr	ASTM E-398 (37,8ºC, 90% RH)
OTR	< 0,47		$cc/m^2/24$ hr	ASTM D-3985 (23ºC, 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 complies with the regulation FDA 21 CFR 177.1630 (f, g, h) and EU Directive 2002/72 and 2011/10.

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