celplast
metallized products

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FOILMET® PCR PET

METALLIZED POLYESTER FILM

Typical Values

Metal One Side, Corona Treat Other Side

A sustainable metallized polyester film **with 90% content from chemically recycled polyester** provides guaranteed superior oxygen and water vapor barrier. This 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	41,600		in^2/lb	
Thickness	0.48 12		Mil µm	
Tensile Strength	30,000 MD 33,000 TD	MD TD	Psi	ASTM D882
Elongation	120 MD 120 TD	MD TD	%	ASTM D882
Heat Shrinkage	1.5 MD 0.2 TD	MD TD	%	30 min. 70° C.
Optical Density **Light Transmission**	>2.0 < 1.0		Tobias Densitometer %	CMP OD-1
Coefficient of Friction	0.45 0.55	Kinetic Static	-	ASTM D1894
WVTR	< 0.04		$g/100in^2/24$ hr	ASTM E-398 (100° F, 90% RH)
OTR	< 0.03		$cc/100in^2/24$ hr	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion	300		g/in	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.

August 2019