

DURAMET® 12µm

METALLIZED & TOP-COATED POLYESTER FILM

EXPERIMENTAL DATASHEET

Top-Coated and Metal One Side, Corona Treat Other Side

A bi-axially oriented polyester film exhibiting excellent heat reflection properties, a moisture protected metal layer, and bright foil appearance. Consistently good handling properties, heat stability, slip, and high tensile strength for easy lamination. Superior WVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	56,88	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	90 MD 70 TD	%	ASTM D882
Optical Density	> 2,5	Tobias	CMP OD-1
Light Transmission	< 0,3	%	
WVTR	< 0,15	g/m ² /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	< 0,15	cc/m ² /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	6,0	N/25mm	CMP MA-1
Surface Energy	40 Metal side 54 Non-metal side	Dyne/cm	ASTM D2578

This film meets FDA food contact requirements for use with all food types under Condition of Use E. This film also complies with relevant requirements of the Swiss Chemicals Ordinance SR 813.11(ChemO) and European Regulation No. 10/2011 for food contact.

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