

## DURAMET® PCR PET METALLIZED & TOP-COATED POLYESTER FILM EXPERIMENTAL DATASHEET

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

An **ultra-high barrier metallized polyester film** with a moisture protected metal layer. **90 percent content is from chemically recycled polyester.** 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	58,4		m <sup>2</sup> /kg	
Thickness	12,0		µm	
Tensile Strength	172,4 206,8	MD TD	N/mm <sup>2</sup>	ASTM D882
Tensile Modulus	3654,2 3861,1	MD TD	N/mm <sup>2</sup>	ASTM D882
Elongation	90 70	MD TD	%	ASTM D882
Optical Density	> 2,5		Tobias	CMP OD-1
Light Transmission	< 0,3		%	
WVTR	< 0,15		g/m <sup>2</sup> /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	< 0,15		cc/m <sup>2</sup> /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	6,0		N/25mm	CMP MA-1
Surface Energy	40 54	Metal Side Non-metal Side	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. This film meets FDA food contact requirements for use with all food types under Condition of Use A and E. Non-objection approval letter is on file from Health Protection Branch of Canadian Food Inspection Agency (CFIA). 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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