

DURAMET® 48g METALLIZED & TOP-COATED POLYESTER FILM Developmental 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	40,800		in ² /lb	
Thickness	0.48 12		Mil µm	
Tensile Strength	25,000 30,000	MD TD	Psi	ASTM D882
Tensile Modulus	530,000 560,000	MD TD	Psi	ASTM D882
Elongation	120 120	MD TD	%	ASTM D882
Optical Density	> 2.0		Tobias	CMP OD-1
Light Transmission	< 1		%	
WVTR	< 0.01		g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	< 0.01		cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion	600		g/in	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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