

DURAMET™ 48g

METALLIZED & TOP-COATED POLYESTER FILM

EXPERIMENTAL DATASHEET

Coated 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. Excellent WVTR, OTR, and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	38,100	in ² /lb	
Thickness	0.48 12	Mil µm	
Tensile Strength	25,000 MD 30,000 TD	Psi	ASTM D882
Tensile Modulus	530,000 MD 560,000 TD	Psi	ASTM D882
Elongation	120 MD 120 TD	%	ASTM D882
Optical Density	> 2.0	Macbeth	CMP OD-1
Light Transmission	< 1	%	
Emissivity	0.05-0.07	-	ASTM C1371
Moisture corrosion	None	Visual inspection after 7 days accelerated aging	ASTM D3310
Vapor Retarder	0.008 0.235	Perms (not aged) Perms (after 28 days accelerated aging)	Perm - ASTM E96 Aging - ASTM C1258
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	300	g/in	CMP MA-1
Surface Energy	44 Metal side 54 Non-metal side	Dyne/cm	ASTM D2578

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