

## DURAMET™ 12µm 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	54,2	m <sup>2</sup> /kg	
Thickness	12	µm	
Tensile Strength	172,4 MD 206,8 TD	N/mm <sup>2</sup>	ASTM D882
Tensile Modulus	3654,2 MD 3861,1 TD	N/mm <sup>2</sup>	ASTM D882
Elongation	120 MD 120 TD	%	ASTM D882
Optical Density	> 2,5	Macbeth	CMP OD-1
Light Transmission	< 0,3	%	
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	0,16	g/m <sup>2</sup> /24 hr	ASTM E-398 (37,8°C, 90% RH)
OTR	0,16	cc/m <sup>2</sup> /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion	3,0	N/25mm	CMP MA-1
Surface Energy	44 Metal side 54 Non-metal side	Dyne/cm	ASTM D2578

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