celplast
metallized products

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DURAMET® CPP

METALLIZED CAST POLYPROPYLENE FILM

Developmental Data Sheet

Metallized and Top-coated One Side, Heat Sealable Other Side

High barrier metallized and top-coated cast polypropylene. A highly reflective, low-slip surface in a differentiated copolymer polypropylene. Provides good machineability and side weld seals. Suitable for medical and gel-sensitive laminations. Intended for use as a combined barrier and sealant layer for functional source reduction. *Available 1.0 mil – 2.0 mil*

Properties	Typical Value		Units	Test Method
Yield	25,600		in²/lb	
Thickness	1.20 30		mil µm	
Tensile Strength	MD TD	6,300 2,800	psi	ASTM D882
Minimum Heat Seal Strength	512		g/in	ASTM F 88-85 0.5 sec, 60 psi, 230° F
Ultimate Seal Strength	2,500		g/in	ASTM F 88-85 0.5 sec, 60 psi, 252° F
Elongation	MD TD	400 500	%	ASTM D882
Optical Density	2.0		Tobias	CMP OD-1
Light Transmission	< 1.0		%	
Coefficient of Friction	Kinetic	0.18	-	ASTM D1894
WVTR	0.02		g/100in²/24 hr.	ASTM E-398 (100º F, 90% RH)
OTR	0.5		cc/100in²/24 hr.	ASTM D-3985 (73.4º F, 50% RH)
Metal Adhesion	300		g/in	CMP MA-1

The CPP side complies with the regulation FDA 21 CFR 177.1520 (3.1).

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