

DURAMET® BOPP

HIGH BARRIER METALLIZED POLYPROPYLENE

Developmental Data Sheet

Top-Coated Metal One Side, Heat Sealable Other Side

A metallized and top-coated protected co-extruded bi-axially oriented polypropylene with the following features:

- ◆ Wide seal range with good hot tack and excellent web flatness
- ◆ Superior metal adhesion and resistance to “crazing” from extrusion lamination
- ◆ Outstanding light and moisture barrier

Properties		Typical Value		Units	Test Method
Yield		42,000	24,730	in ² /lb	
Thickness		0.70 18	1.20 30	mil µm	
Tensile Strength	MD TD	17,000 30,000	21,320 39,827	psi	ASTM D882
Elongation	MD TD	190 70	180 60	%	ASTM D882
Optical Density	2.0 min.			%	CMP OD-1
Light Transmission	< 1.0				
Shrinkage	< 5,0 < 3,0			%	5 min, 130 °C (air oven)
Co-efficient of Friction	Sealable to sealable side	0.45 0.30		Static Kinetic	ASTM D1894
	Metal to metal side	0.6 0.5		Static Kinetic	
Heat Seal Range	210-300			° F	1-2 sec., 30 psi
WVTR	0.015		0.009	g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.25		0.19	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion	250			g/in	CMP MA-2

The polypropylene side complies with the regulation FDA 21 CFR 177.1520 (c) (1.1) and (3.1). Non-objection letter on file from Health Protection Branch of the Canadian Food Inspection Agency (CFIA).

This film also complies with the relevant requirements of the Swiss Chemicals Ordinance SR 813.11(ChemO) and European Regulation No. 10/2011 for food contact.

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