

## 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 <sup>2</sup> /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.		Tobias Densitometer	CMP OD-1	
Light Transmission	< 1.0		%		
Shrinkage	< 5,0 < 3,0		%	5 min, 130 °C (air oven)	
Co-efficient of Friction (Sealable side 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 <sup>2</sup> /24 hr.	ASTM E-398 (100° F, 90% RH)	
OTR	0.25	0.19	cc/100in <sup>2</sup> /24 hr.	ASTM D-3985 (73.4° F, 50% RH)	
Metal Adhesion	250		g/in	CMP MA-2	

The polypropylene side is in compliance with the regulation FDA 21 CFR 177.1520 (c) (1.1) and (3.1). Non-objection letter 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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