



DURAMET® RR PE SEALANT

HIGH BARRIER METALLIZED POLYETHYLENE FILM

Developmental Data Sheet (Imperial)

Metallized and protected top-coated one side

- ◆ Excellent oxygen and moisture barrier
- ◆ Low SIT and excellent Heat Seal strength

This film has been designed for Store Drop-Off Recycling for All-PE laminations requiring excellent moisture and oxygen barriers, good strength and outstanding seal performance.

Properties		Typical Value		Units	Test Method
Thickness		1.5	2.0	mil	
Yield		19,450	14,580	in ² /lb	
Tensile Strength	MD	3,825		psi	ASTM D882
	TD	3,325			
Secant Modulus	MD	99,350		psi	ASTM D882
	TD	109,525			
Elongation	MD	875		%	ASTM D882
	TD	900			
Elmendorf Tear	MD	100	130	g	ASTM D-1922
	TD	40	50		
Dart Impact		45	60	g	ASTM D-1709 (method A)
Optical Density		2.5			CMP OD-1
Light Transmission		< 1.0		%	
WVTR		0.05	0.04	g/100in ² /24 hr.	ASTM F-1249 (100° F, 90% RH)
OTR		0.07	0.05	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion		300		g/in	CMP MA-1

This film is in compliance with the regulation FDA 21 CFR 177.1520. Polyethylene surface is approved for direct food contact. Non-objection approval letter is 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.

The information and opinions herein are believed to be true and accurate and presented without guarantee or responsibility on our part. No recommendation for use of our product is intended as a patent infringement. No warranty of any kind with respect to patents held by others is implied or intended.



DURAMET® RR PE SEALANT

HIGH BARRIER METALLIZED POLYETHYLENE FILM

Developmental Data Sheet (Metric)

Metallized and protected top-coated one side

- ◆ Excellent oxygen and moisture barrier
- ◆ Low SIT and excellent Heat Seal Strength

This film has been designed for Store Drop-Off Recycling for All-PE laminations requiring excellent moisture and oxygen barriers, good strength and outstanding seal performance.

Properties		Typical Value		Units	Test Method
Thickness		38	50	µm	
Yield		27,6	20,7	m ² /kg	
Tensile Strength	MD	26,4		N/mm ²	ASTM D882
	TD	23,0			
Secant Modulus	MD	685		N/mm ²	ASTM D882
	TD	755			
Elongation	MD	875		%	ASTM D882
	TD	900			
Elmendorf Tear	MD	100	130	g	ASTM D-1922
	TD	40	50		
Dart Impact		45	60	g	ASTM D-1709 (method A)
Optical Density		2,5			CMP OD-1
Light Transmission		< 1,0		%	
WVTR		0,8	0,7	g/m ² /24 hr	ASTM F-1249 (37,8°C, 90% RH)
OTR		1,0	0,8	cc/m ² /24 hr	ASTM D-3985 (23°C, 50% RH)
Metal Adhesion		3,0		N/25mm	CMP MA-1

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