

# REFLECT-MET<sup>®</sup> RR PE SEALANT

## HIGH BARRIER METALLIZED POLYETHYLENE FILM

### Developmental Data Sheet (Imperial)

Metallized and protected top-coated one side

- ◇ Excellent moisture barrier
- ◇ Low SIT with excellent heat seal strength
- ◇ Low emissivity

Properties		Typical Value	Units	Test Method
Thickness		1.5	mil	
Yield		19,000	in <sup>2</sup> /lb	
Tensile Strength (Break)	MD	4,000	psi	ASTM D882
	TD	4,500		
Elongation	MD	500	%	ASTM D882
	TD	700		
Elmendorf Tear	MD	100	g	ASTM D1922
	TD	1,000		
Heat Seal Initiation Temperature		200	°F	
Optical Density		2.50	Tobias Densitometer	CMP OD-1
Light Transmission		0.3	%	
Emissivity		0.06	-	ASTM C1371
WVTR		0.01	g/100in <sup>2</sup> /24 hr.	ASTM F1249 (100° F, 90% RH)
OTR		1.75	cc/100in <sup>2</sup> /24 hr.	ASTM D3985 (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.

# REFLECT-MET<sup>®</sup> RR PE SEALANT

## HIGH BARRIER METALLIZED POLYETHYLENE FILM

### Developmental Data Sheet (Metric)

Metallized and protected top-coated one side

- ◇ Excellent moisture barrier
- ◇ Low SIT with excellent heat seal strength
- ◇ Low emissivity

Properties		Typical Value	Units	Test Method
Thickness		38	µm	
Yield		27,0	m <sup>2</sup> /kg	
Tensile Strength (Break)	MD	27,6	N/mm <sup>2</sup>	ASTM D882
	TD	31,0		
Elongation	MD	500	%	ASTM D882
	TD	700		
Elmendorf Tear	MD	100	g	ASTM D1922
	TD	1000		
Heat Seal Initiation Temperature		94	°C	
Optical Density		2,5	Tobias Densitometer	CMP OD-1
Light Transmission		0,3	%	
Emissivity		0,06	-	ASTM C1371
WVTR		0,15	g/m <sup>2</sup> /24 hr	ASTM F1249 (37,8°C, 90% RH)
OTR		27,0	cc/m <sup>2</sup> /24 hr	ASTM D3985 (23°C, 50% RH)
Metal Adhesion		3,0	N/25mm	CMP MA-1

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