



CELMET® RR MDO-PE

METALLIZED ORIENTED POLYETHYLENE FILM

Developmental Data Sheet (Imperial)

- ◊ Good stiffness and dimensional stability
- ◊ Recycling ready film for All-PE laminations

Properties		Typical Value	Units	Test Method
Thickness		0.90	mil	
Yield		32,750	in ² /lb	
Tensile Strength (Break)	MD	20,200	psi	ASTM D882
	TD	3,900		
Secant Modulus (1%)	MD	210,000	psi	ASTM D882
	TD	185,000		
Elongation	MD	35	%	ASTM D882
	TD	350		
Elmendorf Tear	MD	200	g	ASTM D-1922
	TD	60		
Optical Density		2.5	Tobias Densitometer	CMP OD-1
Light Transmission		< 1.0	%	
WVTR		0.1	g/100in ² /24 hr.	ASTM F-1249 (100° F, 90% RH)
OTR		12.90	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion		290	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.



CELMET[®] RR MDO-PE

METALLIZED ORIENTED POLYETHYLENE FILM

Developmental Data Sheet (Metric)

- ◇ Good stiffness and dimensional stability
- ◇ Recycling ready film for All-PE laminations

Properties		Typical Value	Units	Test Method
Thickness		22,9	µm	
Yield		46,6	m ² /kg	
Tensile Strength (Break)	MD TD	139,2 26,9	N/mm ²	ASTM D882
Secant Modulus (1%)	MD TD	1447,9 1275,5	N/mm ²	ASTM D882
Elongation	MD TD	35 350	%	ASTM D882
Elmendorf Tear	MD TD	200 60	g	ASTM D-1922
Optical Density		2,5	Tobias Densitometer	CMP OD-1
Light Transmission		< 1,0	%	
WVTR		1,5	g/m ² /24 hr.	ASTM F-1249 (100° F, 90% RH)
OTR		200	cc/m ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion		2,9	N/25mm	CMP MA-1

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