

CEL-MET™ SEALANT METALLIZED POLYETHYLENE FILM

Typical Values Metal One Side, Low COF and High Seal Strength Other Side PE Sealant Film

Properties		Typical Value	Typical Value	Typical Value	Units	Test Method
Thickness		1.25 31,3	1.50 38	2.00 50	Mil µm	
Yield		24,000	20,000	15,000	in ² /lb	
Tensile Strength (Break)	MD	5,400	5,400	5,400	Psi	ASTM D882
	TD	3,600	3,800	4,200		
Secant Modulus (1%)	MD	37,000	37,000	39,000	Psi	ASTM D882
	TD	45,500	45,500	46,500		
Elongation	MD	585	625	705	%	ASTM D882
	TD	725	740	770		
Optical Density		2.0			Tobias Densitometer	CMP OD-1
Light Transmission		< 1.0			%	
Coefficient of Friction		0.25			Sealant to Sealant	ASTM D-1894
WVTR		0.07			g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR		20	20	16	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Metal Adhesion		300			g/in	CMP MA-1
Heat Seal Initiation Temperature		230-240			° F	

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

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