

CEL-MET™ SEALANT
METALLIZED POLYETHYLENE FILM
Typical Values
Metal One Side, Low COF and High Seal Strength Other Side
2.0 mil PE Sealant Film

Properties	Typical Value	Units	Test Method
Thickness	2.0	Mil	
	50.8	µm	
Yield	15,000	in ² /lb	
Tensile Strength (Break)	5,400 MD	Psi	ASTM D882
	4,200 TD		
Elongation	705 MD	%	ASTM D882
	770 TD		
Secant Modulus (1%)	39,000 MD	Psi	ASTM D882
	46,500 TD		
Metal Adhesion	300	g/in	CMP MA-1
Oxygen Transmission Rate	16	cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Water Vapor Transmission Rate	0.07	g/100in ² /24 hr.	ASTM E-398 (100° F, 90% RH)
Coefficient of Friction	0.25	Sealant to Sealant	ASTM D-1894
Heat Seal Initiation Temperature	230-250	° F	

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

The metallized side is FDA approved for indirect food contact.

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