



CEL-MET™ SEALANT
METALLIZED POLYETHYLENE FILM

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

FILM PROPERTIES	TEST METHOD	UNITS		TYPICAL VALUE
Thickness		mil		1.75
Yield		in ² /lb		17,100
Density	ASTM D-792	g/cc		0.929
Gloss (45°)	ASTM D-2457	%		70
Coefficient of Friction	ASTM D-1894	Sealant to sealant		0.2
Tensile Strength (Break)	ASTM D-882	psi	MD TD	21,700 3,550
Elongation	ASTM D-882	%	MD TD	70 1,300
Secant Modulus (1%)	ASTM D-882	psi	MD TD	105,000 105,000
Dart Impact	ASTM D-1709	g		70
Metal Adhesion	CMP MA-1	g/in		500
Oxygen Transmission Rate	ASTM D-3985	cc/100in ² / 24 hrs (73.4° F, 50% RH)		3.5
Water Vapor Transmission	ASTM F1249	g/100in ² / 24 hrs (100° F, 90% RH)		0.07
Heat Seal Initiation Temperature		°F		220
Ultimate Seal Strength		lb/in		>8 (Destruct)

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 approved for indirect food contact.

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