

CEL-MET™ BOPP METALLIZED POLYPROPYLENE FILM Typical Values

Metal One Side, Heat Sealable Other Side

A metallized co-extruded bi-axially oriented polypropylene with the following features:

- Wide seal range
- Good hot tack
- Excellent web flatness
- Superior metal adhesion and resistance to “crazing” from extrusion lamination
- Outstanding light and moisture barrier

Properties	Typical Values		Units	Test Method
Thickness	0.60	0.70	Mil μm	
	15	18		
Yield	51,800	44,000	in ² /lb	
Tensile Strength	MD	17,000	psi	ASTM D882
	TD	30,000		
Secant Modulus	MD	250,000	psi	ASTM D882
	TD	450,000		
Elongation at Break	MD	190	%	ASTM D882
	TD	70		
Dimensional Stability	MD	< 5	%	5 min, 266 ° F
	TD	< 3		
Heat Seal Initiation	220		°F	0.5 sec., 30 psi
Optical Density	2.0		Tobias	CMP OD-1
Light Transmission	< 1.0		%	
WVTR	< 0.03		g/100in ² /24 hr.	ASTM F-1249 (100° F, 90% RH)
OTR	< 4.0		cc/100in ² /24 hr.	ASTM D-3985 (73.4° F, 50% RH)

The polypropylene side is compliant with the regulation FDA 21 CFR 177.1520 (c) (1.1) and (3.1)

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