

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 15	0.70 18	Mil μm	
Yield	51,800	44,000	in ² /lb	
Tensile Strength	MD TD	17,000 30,000	psi	ASTM D882
Secant Modulus	MD TD	250,000 450,000	psi	ASTM D882
Elongation at Break	MD TD	190 70	%	ASTM D882
Dimensional Stability	MD TD	< 5 < 3	%	5 min, 266 ° F
Coefficient of Friction	Static	0.75		ASTM D-1894
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)

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.

July 2025