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CEL-MET BOPP METALLIZED POLYPROPYLENE FILM

Typical Values

Metal One Side, Heat Sealable Other Side

Vacuum Deposited Aluminum

LAYER: Metal Receptive Polymer

CORE LAYER: Homo Polymer Core

SKIN LAYER: Untreated Standard Seal Range Polymer

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

- Superior metal adhesion formulated for surface printing
- Excellent cold seal adhesion to non-metallized surface
- Heat sealable
- Outstanding light and moisture barrier

Application:

Typically single ply, surface printed metallized film to replace more expensive laminated structures. Can be heat-sealed for pouches, etc. For maximum performance for printing, a primer is recommended.

PROPERTIES	UNIT	Testing Method	Typical Value		
			CM 20	CM 30	CM 35
Thickness	mil		0.80	1.20	1.40
Yield	sq. in/lb		38,700	25,700	22,000
Optical Density	%	Macbeth Densitometer	2.0	2.0	2.0
Tensile Strength	MD	ASTM D882	17,000	17,000	17,000
	TD		30,000	30,000	30,000
Secant Modulus	MD	ASTM D882	250,000	250,000	250,000
	TD		450,000	450,000	450,000
Elongation	MD	ASTM D882	190	190	190
	TD		70	70	70
Shrinkage	MD	5 min. 266° F (air oven)	3 - 4	3-4	3-4
	TD		1.5-2.0	1.5-2.0	1.5-2.0
Heat Seal Range	Deg. F	1-2 sec. 30 PSI	250-300	210-300	210-300
Water Vapor Transmission	g/100in ² / 24 hrs	ASTM F1249 100° F, 100% RH	0.06	0.06	0.06
Oxygen Transmission	cc/100in ² /24 hrs	ASTM D3985 72° F 0% RH	4 - 5	4 - 5	4 - 5

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