

Propafilm™ MTX90

Polypropylene Alloy

Innovia Films Ltd.

Message:

Anti-Static Overwrapping Film

Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with heat sealable polyolefinic copolymers.

MTX90 is suitable for high speed overwrapping of packets/cartons. The high level of anti-static protection enhances machine performance and minimizes dust attraction.

General Information			
Features	Antistatic		
	Good Heat Seal		
	Good Impact Resistance		
	Heat Sealable		
	Moisture Barrier		
	Moisture Resistant		
	Pleasing Surface Appearance		
	Puncture Resistant		
Uses	Bi-axially Oriented Film		
	Packaging		
Forms	Film		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 120°C, 1 min	4.0	%	
Across Flow : 120°C, 1 min	3.5	%	
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic, Outside/Outside	0.25		
vs. Itself - Static, Outside/Outside	0.35		
Films	Nominal Value	Unit	Test Method
Secant Modulus ¹			ASTM D882
1% Secant, MD	2400	MPa	
1% Secant, TD	2400	MPa	
Tensile Strength ²			ASTM D882
MD : Yield	200	MPa	
TD : Yield	185	MPa	
Tensile Elongation ³			ASTM D882
MD : Break	85	%	

TD : Break	85	%	
Seal Strength ⁴	0.15	N/mm	Internal Method
Seal Initiation Temperature ⁵	96.1 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	63	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate			ASTM F1770
23°C, 85% RH	1.2	g/m ² /24 hr	
38°C, 90% RH	7.3	g/m ² /24 hr	
Film Gauge	90.0		Internal Method
Yield	50.0	m ² /kg	Internal Method
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ⁶	1.4E+10	ohms	ASTM D257
Optical	Nominal Value	Unit	Test Method
Gloss (20°)	110		ASTM D2457
Haze ⁷	2.2	%	ASTM D1003
NOTE			
1.	10%/min		
2.	50%/min		
3.	50%/min		
4.	230°F; 1sec; 15lb/in ²		
5.	2secs; 15lb/in ²		
6.	77°F, 0%RH		
7.	Wide angle, 2.5°		

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