Propafilm™ MTP85

Polypropylene Alloy

Innovia Films Ltd.

Message:

Printable High Speed Overwrapping Film
Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with heat sealable polyolefinic copolymers.
MTP85 is generally used for high speed overwrapping of packets and cartons where there is a requirement for the film to carry print. Particularly suitable for use in the tobacco, magnetic media, confectionary and tea industries.

General Information			
Features	Excellent Printability		
	Flavor & Aroma Barrier		
	Food Contact Acceptable		
	Good Heat Seal		
	Moisture Barrier		
	Moisture Resistant		
	Pleasing Surface Appearance		
	Slip		
Uses	Bi-axially Oriented Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Film		
Processing Method	Coextrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Molding Shrinkage			Internal Method
Flow : 120°C, 1 min	5.0	%	
Flow : 130°C, 1 min	7.0	%	
Across Flow : 120°C, 1 min	4.0	%	
Across Flow : 130°C, 1 min	7.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic, Outside/Outside	0.30		
vs. Itself - Static, Outside/Outside	0.40		
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus [1]			ASTM D882
1% Secant, MD	2900	MPa	
1% Secant, TD	2900	MPa	
Tensile Strength [2]			ASTM D882
MD : Yield	190	MPa	

TD : Yield	190	MPa	
Tensile Elongation [3]			ASTM D882
MD : Break	110	%	
TD : Break	100	%	
Seal Strength [4]	0.15	N/mm	Internal Method
Seal Initiation Temperature [5]	116 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	41	$cm^3 \cdot mm/m^2/atm/24\ hr$	ASTM F1927
Water Vapor Transmission Rate			ASTM F1770
23°C, 85% RH	1.1	$g/m^2/24\ hr$	
38°C, 90% RH	5.7	$g/m^2/24\ hr$	
Corona Treatment	38	dyne/cm	Internal Method
Film Gauge	85.0		Internal Method
Yield	52.3	m^2/kg	Internal Method

Optical	Nominal Value	Unit	Test Method
Gloss (20°)	140		ASTM D2457
Haze [6]	1.4	%	ASTM D1003

NOTE	
1.	10%/min
2.	50%/min
3.	50%/min
4.	248°F; 2secs; $15lb/in^2$
5.	2secs; 15psi
6.	Wide angle; 2.5°

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China