Propafilm™ GLT65

Polypropylene Alloy

Innovia Films Ltd.

Message:

High Speed Overwraping Film with Shrink Tightening Properties
Biaxially oriented polypropylene (BOPP) film co-extruded on both sides with heat sealable polyolefinic copolymers.
GLT65/80/100 are suitable for use in the tobacco industry for both high speed and display outers where exceptional pack appearance and wrap tightness are required.

General Information			
Features	Flavor & Aroma Barrier		
	Food Contact Acceptable		
	Good Heat Seal		
	Moisture Barrier		
	Pleasing Surface Appearance		
	Slip		
	Solvent Resistant		
Uses	Packaging		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Film		
Processing Method	Coextrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Molding Shrinkage			Internal Method
Flow : 80°C, 1 min	3.7	%	
Flow : 120°C, 1 min	7.0	%	
Across Flow : 80°C, 1 min	3.5	%	
Across Flow : 120°C, 1 min	11	%	
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	3000	MPa	
1% Secant, TD	3600	MPa	
Tensile Strength [2]			ASTM D882
MD : Yield	170	MPa	
TD : Yield	210	MPa	

Tensile Elongation [3]			ASTM D882
MD : Break	120	%	
TD : Break	80	%	
Seal Strength [4]	0.19	N/mm	Internal Method
Seal Initiation Temperature [5]	110 to 141	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	56	$cm^3 \cdot mm/m^2/atm/24\ hr$	ASTM F1927
Water Vapor Transmission Rate			ASTM F1770
23°C, 85% RH	1.4	$g/m^2/24\ hr$	
38°C, 90% RH	7.6	$g/m^2/24\ hr$	
Blocking Load [6]	6.0	g	Internal Method
Film Gauge	65.0		Internal Method
Yield	68.6	m^2/kg	Internal Method

Optical	Nominal Value	Unit	Test Method
Gloss (20°)	130		ASTM D2457
Haze [7]	1.3	%	ASTM D1003

NOTE	
1.	10%/min
2.	50%/min
3.	50%/min
4.	228°F; 1sec; $15lb/in^2$
5.	2secs; $15lb/in^2$
6.	158°F; 200g; 2hrs
7.	Wide angle, 2.5°

Recommended distributors for this material

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