

Propafilm™ SLT80

Polypropylene Alloy

Innovia Films Ltd.

Message:

High Speed Overwrapping Film with Shrink Tightening Properties

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

SLT80 is suitable for use in the tobacco industry for both high speed overwrapping of unit packs and display outers where good pack appearance and wrap tightness are required.

General Information			
Features	Food Contact Acceptable		
	Low Moisture Vapor Transmission		
	Slip		
	Solvent Resistant		
Uses	Bi-axially Oriented Film		
	Food Wrap		
	Packaging		
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	3.0	%	
Flow : 120°C, 1 min	7.0	%	
Across Flow : 80°C, 1 min	2.0	%	
Across Flow : 120°C, 1 min	10	%	
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
Film Thickness - Tested	2000	µm	
Secant Modulus ¹			ASTM D882
1% Secant, MD	2800	MPa	
1% Secant, TD	3300	MPa	
Tensile Strength ²			ASTM D882
MD : Yield	180	MPa	
TD : Yield	210	MPa	
Tensile Elongation ³			ASTM D882

MD : Break	100	%	
TD : Break	90	%	
Seal Strength ⁴	0.15	N/mm	Internal Method
Seal Initiation Temperature ⁵	110 to 141	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	43	cm ³ ·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	6.5	g/m ² /24 hr	
Blocking Load ⁶	6.0	g	Internal Method
Yield	54.9	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. 225°F; 1sec; 15lb/in²
5. 2secs; 15psi
6. 158°F; 200g; 2hrs
7. Wide angle; 2.5°

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