Propafilm™ OVS80

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.
OVS80 is suitable for high speed overwrapping and horizontal form-fill applications where pack appearance and wrap tightness are important. Particularly suitable for the tea or confectionery industry, where a medium shrink tightening performance can be required for light weight packs.

General Information			
Features	Flavor & Aroma Barrier		
	Food Contact Acceptable		
	Good Heat Seal		
	Heat Sealable		
	Moisture Barrier		
	Moisture Resistant		
	Pleasing Surface Appearance		
	Slip		
	Solvent Resistant		
Uses	Bi-axially Oriented Film		
	Food Service Applications		
	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	3.0	%	
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**
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	110	%	
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	$cm^3 \cdot mm/m^2/atm/24\ hr$	ASTM F1927
Water Vapor Transmission Rate			ASTM F1770
23°C, 85% RH	1.1	$g/m^2/24\ hr$	
38°C, 90% RH	6.5	$g/m^2/24\ hr$	
Film Gauge	80.0		Internal Method
Yield	54.9	m^2/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (20°)	130		ASTM D2457
Haze [6]	1.3	%	ASTM D1003
NOTE			
1.	10%/min		
2.	50%/min		
3.	50%/min		
4.	225°F; 1sec; $15lb/in^2$		
5.	2secs; $15lb/in^2$		
6.	Wide angle, 2.5°		

Recommended distributors for this material

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