

Propafilm™ RGN120

Polypropylene Alloy

Innovia Films Ltd.

Message:

High Clarity, High Purity, Low-Slip Film

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

RGN60/80/120 are suitable for use as a base for coldseal coating and low-temperature-seal lacquer conversion for collation packaging in the bakery and confectionery industries. RGN may also be used as a high purity carrier film in laminations, and as a single film in general overwrap or horizontal form-fill-and-seal applications where high clarity, low-slip film is required.

General Information			
Features	Excellent Printability		
	Food Contact Acceptable		
	Heat Sealable		
	High Clarity		
	High Purity		
	Low Moisture Vapor Transmission		
	Low Slip		
Uses	Bi-axially Oriented Film		
	Food Service Applications		
	Laminates		
	Packaging		
	Sealants		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal Method
Flow : 129°C, 1 min	6.0	%	
Across Flow : 129°C, 1 min	-1.0	%	
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
Film Thickness - Tested	3000	µm	
Secant Modulus ¹			ASTM D882
1% Secant, MD	2690	MPa	
1% Secant, TD	2290	MPa	

Tensile Strength ²			ASTM D882
MD : Yield	239	MPa	
TD : Yield	190	MPa	
Tensile Elongation ³			ASTM D882
MD : Break	90	%	
TD : Break	130	%	
Seal Strength ⁴	0.14	N/mm	Internal Method
Seal Initiation Temperature ⁵	116 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	41	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	5.0	g/m ² /24 hr	ASTM F1770
Corona Treatment	38	dyne/cm	Internal Method
Yield	36.7	m ² /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	105		ASTM D2457
Haze ⁶	2.0	%	ASTM D1003
NOTE			
1.	10%/min		
2.	50%/min		
3.	50%/min		
4.	225°F; 1sec; 15lb/in ² ; untreated to untreated		
5.	2secs; 15lb/in ² ; untreated to untreated		
6.	Wide angle; 2.5°		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

