

Propafilm™ RGP120

Polypropylene Alloy

Innovia Films Ltd.

Message:

Multi-Purpose Film

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

RGP is a multi-purpose film suitable for packaging a wide range of products either in single web form, or in a lamination to itself or to other substrates.

RGP100 and RGP120 are suitable for both overwrapping and form-fill-and-seal applications.

General Information			
Features	Excellent printability		
	Perforation resistance		
	Antistatic property		
	Impact resistance, good		
	Heat sealable		
	Low temperature impact resistance		
	Good weather resistance		
	Compliance of Food Exposure		
	Poor moisture permeability		
Uses	Bi-axially Oriented Film		
	Packaging		
	Laminate		
Forms	Films		
Processing Method	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage			Internal method
Flow: 129°C, 1 minute	6.0	%	Internal method
Transverse flow: 129°C, 1 minute	-1.0	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With itself-dynamic, outer layer/outer layer	0.30		ASTM D1894
With itself-static, outer layer/outer layer	0.30		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	3000	µm	
secant modulus ¹			ASTM D882
1% secant, MD	2490	MPa	ASTM D882
1% secant, TD	2090	MPa	ASTM D882

Tensile Strength ²			ASTM D882
MD: Yield	230	MPa	ASTM D882
TD: Yield	190	MPa	ASTM D882
Tensile Elongation ³			ASTM D882
MD: Fracture	90	%	ASTM D882
TD: Fracture	130	%	ASTM D882
Seal Strength ⁴	0.14	N/mm	Internal method
Seal Initiation Temperature ⁵	116 - 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°)	100		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°		

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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



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