

Propafilm™ RGP60

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.
RGP60 is particularly suited for laminating to Propafoil™ RVU60 to provide a lightweight, high barrier structure for the vertical form-fill-and-seal packaging of snack foods, for example.

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		
	Barrier resin		
Uses	Bi-axially Oriented Film		
	Packaging		
	Laminate		
	Food service sector		
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	1500	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)	81	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	10	g/m ² /24 hr	ASTM F1770
Corona Treatment	38	dyne/cm	Internal method
Yield	73.5	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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