

Propafilm™ RGP140

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.

RGP140 may be used singly as an alternative to a lamination.

General Information			
Features	Antistatic		
	Excellent Printability		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Weather Resistance		
	Heat Sealable		
	Low Moisture Vapor Transmission		
	Low Temperature Impact Resistance		
	Puncture Resistant		
Uses	Bi-axially Oriented Film		
	Laminates		
	Packaging		
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	0.30		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	3600	µm	
Secant Modulus ¹			ASTM D882
1% Secant, MD	2490	MPa	
1% Secant, TD	2090	MPa	
Tensile Strength ²			ASTM D882

MD : Yield	230	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)	35	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	4.0	g/m ² /24 hr	ASTM F1770
Corona Treatment	38	dyne/cm	Internal Method
Yield	31.4	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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