Propafilm™ RGN60

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	1500	μm			
Secant Modulus ¹			ASTM D882		
1% Secant, MD	2690	МРа			
1% Secant, TD	2290	MPa			

Tensile Strength 2 ASTM D882 MD: Yield 239 MPa TD: Yield 190 MPa Tensile Elongation 3				
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) 81 cm²·mm/m²/atm/24 hr ASTM F1927 Water Vapor Transmission Rate (38°C, 90% RH) 10 g/m²/24 hr ASTM F1770 Corona Treatment 38 dyne/cm Internal Method Yield 73.5 m²/kg Internal Method Optical Nominal Value Unit Test Method Gloss (45°) 105 x5 ASTM D2457 Haze 6 2.0 % ASTM D1003 NOTE 1 S0%/min x5 X5 4. 25°F; 1sec; 15lb/in²; untreated to untreated to untreated to untreated x5 x5	Tensile Strength ²			ASTM D882
Tensile Elongation 3 MD : Break MD : Break 130 Seal Strength 4 0.14 N/mm Internal Method Seal Initiation Temperature 5 116 to 146 Cxygen Permeability (23°C, 0% RH) Nater Vapor Transmission Rate (38°C, 90% RH) Corona Treatment 38 Nominal Value Optical Nominal Value Optical Nominal Value Optical Oss (45°) Haze 5 2.0 Nominal Value 105 NOTE 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	MD : Yield	239	MPa	
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NOTE 1. 10%/min 2. 50%/min 3. 50%/min 4. 225°F; 1sec; 15lb/in²; untreated to untreated untreated 5. 2secs; 15lb/in²; untreated to untreated to untreated	Gloss (45°)	105		ASTM D2457
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3. 50%/min 225°F; 1sec; 15lb/in²; untreated to untreated 2secs; 15lb/in²; untreated to untreated to untreated	1.	10%/min		
225°F; 1sec; 15lb/in²; untreated to untreated 2secs; 15lb/in²; untreated to untreated untreated untreated	2.	50%/min		
4. untreated 2secs; 15lb/in²; untreated to untreated untreated	3.	50%/min		
5. untreated	4.			
6. Wide angle; 2.5°	5.			
	6.	Wide angle; 2.5°		

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