

# Propafilm™ RH200

Polypropylene Alloy

Innovia Films Ltd.

## Message:

Heavy Duty Film

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

RH200 is ideally suited for use as a single web film as an alternative to laminations in form-fill-seal packaging applications. Also suitable for use in tear-tape and cable wrap applications.

General Information			
Features	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		
	Tape		
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	5100	µm	
Secant Modulus <sup>1</sup>			ASTM D882
1% Secant, MD	2490	MPa	
1% Secant, TD	2290	MPa	
Tensile Strength <sup>2</sup>			ASTM D882
MD : Yield	210	MPa	
TD : Yield	170	MPa	

Tensile Elongation <sup>3</sup>			ASTM D882
MD : Break	90	%	
TD : Break	110	%	
Seal Strength <sup>4</sup>	0.19	N/mm	Internal Method
Seal Initiation Temperature <sup>5</sup>	116 to 146	°C	Internal Method
Oxygen Permeability (23°C, 0% RH)	25	cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	3.3	g/m <sup>2</sup> /24 hr	ASTM F1770
Corona Treatment	38	dyne/cm	Internal Method
Yield	22.0	m <sup>2</sup> /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	95		ASTM D2457
Haze <sup>6</sup>	2.0	%	ASTM D1003
NOTE			
1.	10%/min		
2.	50%/min		
3.	50%/min		
4.	225°F; 1sec; 15lb/in <sup>2</sup> ; untreated to untreated		
5.	2secs; 15lb/in <sup>2</sup> ; untreated to untreated		
6.	Wide angle; 2.5°		

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