Propafilm™ RD140

Polypropylene Alloy Innovia Films Ltd.

Message:

Differentially Barrier Coated Film

Biaxially oriented polypropylene (BOPP) film coated on one side with an aqueous dispersion of polyvinylidene chloride (PVdC) copolymer, the other side coated with an aqueous acrylic dispersion.

RD125/140/160 are recommended for use in plain and printed form for overwrapping and for medium to large packages on form-fill-seal machines.

Food Contact Acceptable Good Impact Resistance Heat Sealable Low Moisture Vapor Transmission Low Temperature Impact Resistance Puncture Resistant Uses Bi-axially Oriented Film Laminates Packaging Forms Film Physical Nominal Value Unit Test Method Moiding Shrinkage Internal Method Flow: 121°C, 1 min 4.0 % Flow: 129°C, 1 min 7.0 % Across Flow: 129°C, 1 min 1.0 % Mochanical Nominal Value Unit Test Method Flow: 129°C, 1 min 1.0 % Mochanical Nominal Value Unit Test Method Coefficien Film Nominal Value Unit Test Method ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 vs. Itself - Static, Outside/Outside 0.26 vs. Itself - Static, Outside/Outside 0.27 vs. Itself - Static, Outside/Outside 0.	General Information				
Good Impact Resistance Heat Sealable Low Moisture Vapor Transmission Low Temperature Impact Resistance Puncture Resistant P	Features	Excellent Printability			
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Low Temperature Impact Resistant Uses Bi-axially Oriented Film Laminates Packaging Forms Film Physical Nominal Value Unit Test Method Molding Shrinkage Internal Method Flow: 121°C, 1 min 4.0 % Flow: 129°C, 1 min 7.0 % Across Flow: 129°C, 1 min 1.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction 7.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction 2.5 vs. Itself - Dynamic, Outside/Outside 0.25 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Film Thickness - Tested 3600 µm Seal Strength Internal Method 1 0.15 N/mm Seal Strength N/mm Seal Intiation Temperature Internal Method 3 0.15 N/mm Seal Intiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C		Heat Sealable			
Bi-axially Oriented Film Laminates Packaging Forms Film		Low Moisture Vapor Transmission			
Bi-axially Oriented Film Laminates Packaging Packaging		Low Temperature Impact Resistance			
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¹ 0.15 N/mm ² 0.15 N/mm Seal Initiation Temperature	Film Thickness - Tested	3600	μm		
² 0.15 N/mm Seal Initiation Temperature Internal Method ³ 104 to 146 °C ⁴ 85.0 to 146 °C	Seal Strength			Internal Method	
Seal Initiation Temperature 3 104 to 146 4 85.0 to 146 °C	1	0.15	N/mm		
³ 104 to 146 °C ⁴ 85.0 to 146 °C	²	0.15	N/mm		
⁴ 85.0 to 146 °C	Seal Initiation Temperature			Internal Method	
	³	104 to 146	°C		
Oxygen Permeability (25°C, 0% RH) 0.74 cm³·mm/m²/atm/24 hr ASTM F1927	⁴	85.0 to 146	°C		
	Oxygen Permeability (25°C, 0% RH)	0.74	cm ³ ·mm/m ² /atm/24 hr	ASTM F1927	

Water Vapor Transmission Rate		. 2			
RH)	3.6	g/m²/24 hr	ASTM F1770		
Yield	30.1	m²/kg	Internal Method		
Optical	Nominal Value	Unit	Test Method		
Gloss (45°)	100		ASTM D2457		
Haze ⁵	2.5	%	ASTM D1003		
NOTE					
1.	PVdC/PVdC; 265°F; 2secs;	PVdC/PVdC; 265°F; 2secs; 15psi			
2.	Acrylic/Acrylic; 265°F; 2sec	Acrylic/Acrylic; 265°F; 2secs; 15psi			
3.	PVdC/PVdC; 2secs; 15psi	PVdC/PVdC; 2secs; 15psi			
4.	Acrylic/Acrylic; 2secs; 15ps	Acrylic/Acrylic; 2secs; 15psi			
5.	Wide angle; 2.5°				

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