Propafilm™ RD125

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 Coefficient of Friction 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 0.27 vs. Itself - Static,	General Information				
Good Impact Resistance Heat Sealable Low Moisture Vapor Transmission Low Temperature Impact Resistance Puncture Resistant P	Features	Excellent Printability			
Heat Sealable Low Moisture Vapor Transmission Low Temperature Impact Resistance Puncture Resistant Uses Bi-axially Oriented Film Laminates Packaging Forms Film Nominal Value Unit Test Method Molding Shrinkage Flow: 121°C, 1 min 1,0 % Flow: 129°C, 1 min 1,0 % Across Flow: 129°C, 1 min 1,0 % Across Flow: 129°C, 1 min 1,0 % Coefficient of Friction vs. Itself - Dynamic, Outside/Outside vs. Itself - Static, Outside/Outside 1,25 Test Method Duit Test Method ASTM D1894 ASTM D1894 Flims Nominal Value Unit Test Method Distrinkage Unit Test Method Test Method Destruction Vs. Itself - Static, Outside/Outside 1,25 Test Method Destruction Vs. Itself - Static, Outside/Outside 1,25 Test Method Distrinkage Vinit Vinit Test Method Distrinkage Vinit V		Food Contact Acceptable			
Low Moisture Vapor Transmission Low Temperature Impact Resistant Uses Bi-axially Oriented Film Laminates Packaging		Good Impact Resistance			
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 3200 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			
Laminates Packaging Forms Film Physical Nominal Value Unit Test Method 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 Nominal Value Unit Test Method Coefficient of Friction vs. Itself - Dynamic, Outside/Outside 0.25 Films Nominal Value Unit Test Method ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Internal Method Film Thickness - Tested 3200 µm Seal Strength1 0.15 N/mm Seal Initiation Temperature Internal Method3 Internal Method		Puncture Resistant			
Laminates Packaging Forms Film Physical Nominal Value Unit Test Method 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 Nominal Value Unit Test Method Coefficient of Friction vs. Itself - Dynamic, Outside/Outside 0.25 Films Nominal Value Unit Test Method ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Internal Method Film Thickness - Tested 3200 µm Seal Strength1 0.15 N/mm Seal Initiation Temperature Internal Method3 Internal Method					
Packaging Forms Film F	Uses	Bi-axially Oriented Film			
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 ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 vs. Itself - Static, Outside/Outside 0.25 Flims Nominal Value Unit Test Method Flim Thickness - Tested 3200 µm Seal Strength Unit Test Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C		Laminates			
Physical Nominal Value Unit Test Method Molding Shrinkage Internal Method Flow: 129°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 ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Test Method Films Nominal Value Unit Test Method Film Thickness - Tested 3200 µm Internal Method 1 0.15 N/mm Internal Method 2 0.15 N/mm Internal Method 3 0.15 N/mm Internal Method 3 104 to 146 °C C 4 85.0 to 146 °C C		Packaging			
Physical Nominal Value Unit Test Method Molding Shrinkage Internal Method Flow: 129°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 ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 ASTM D1894 vs. Itself - Static, Outside/Outside 0.25 Test Method Films Nominal Value Unit Test Method Film Thickness - Tested 3200 µm Internal Method 1 0.15 N/mm Internal Method 2 0.15 N/mm Internal Method 3 0.15 N/mm Internal Method 3 104 to 146 °C C 4 85.0 to 146 °C C					
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 0.25 ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 Test Method Films Nominal Value Unit Test Method Film Thickness - Tested 3200 µm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	Forms	Film			
Flow : 121°C, 1 min	Physical	Nominal Value	Unit	Test Method	
Flow: 129°C, 1 min 7.0 % Across Flow: 129°C, 1 min 1.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Film Thickness - Tested 3200 μm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	Molding Shrinkage			Internal Method	
Across Flow: 129°C, 1 min 1.0 % Mechanical Nominal Value Unit Test Method Coefficient of Friction	Flow: 121°C, 1 min	4.0	%		
Mechanical Nominal Value Unit Test Method Coefficient of Friction 0.25 vs. Itself - Dynamic, Outside/Outside 0.25 Films Nominal Value Unit Test Method Film Thickness - Tested 3200 Film Thickness - Tested 3200 Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 C-4 85.0 to 146 C-5 C	Flow : 129°C, 1 min	7.0	%		
Coefficient of Friction ASTM D1894 vs. Itself - Dynamic, Outside/Outside 0.25 Test Method Films Nominal Value Unit Test Method Film Thickness - Tested 3200 μm Internal Method seal Strength 0.15 N/mm Internal Method 2 0.15 N/mm Internal Method seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C C	Across Flow: 129°C, 1 min	1.0	%		
vs. Itself - Dynamic, Outside/Outside 0.25 vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Film Thickness - Tested 3200 µm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	Mechanical	Nominal Value	Unit	Test Method	
vs. Itself - Static, Outside/Outside 0.25 Films Nominal Value Unit Test Method Film Thickness - Tested 3200 µm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	Coefficient of Friction			ASTM D1894	
Films Nominal Value Unit Test Method Film Thickness - Tested 3200 μm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	vs. Itself - Dynamic, Outside/Outside	0.25			
Film Thickness - Tested 3200 μm Seal Strength Internal Method 1 0.15 N/mm 2 0.15 N/mm Seal Initiation Temperature Internal Method 3 104 to 146 °C 4 85.0 to 146 °C	vs. Itself - Static, Outside/Outside	0.25			
Seal Strength Internal Method 1 0.15 N/mm 2 N/mm Internal Method 3 Internal Method 3 Internal Method 3 104 to 146 °C 4 85.0 to 146 °C 4 4 85.0 to 146 °C 4 <td< td=""><td>Films</td><td>Nominal Value</td><td>Unit</td><td>Test Method</td></td<>	Films	Nominal Value	Unit	Test Method	
¹ 0.15 N/mm ² 0.15 N/mm Seal Initiation Temperature	Film Thickness - Tested	3200	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 (38°C, 90%			
RH)	4.0	g/m²/24 hr	ASTM F1770
Yield	34.9	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; 15psi		
2.	Acrylic/Acrylic; 265°F; 2secs; 15psi		
3.	PVdC/PVdC; 2secs; 15psi		
4.	Acrylic/Acrylic; 2secs; 15psi		
5.	Wide angle; 2.5°		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533 Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

