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.

General Information			
Features	Excellent Printability		
	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**
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		
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	3600	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	
Oxygen Permeability (25°C, 0% RH)	0.74	$cm^3 \cdot mm/m^2/atm/24\ hr$	ASTM F1927

Water Vapor Transmission Rate (38°C, 90% 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; 15psi		
2.	Acrylic/Acrylic; 265°F; 2secs; 15psi		
3.	PVdC/PVdC; 2secs; 15psi		
4.	Acrylic/Acrylic; 2secs; 15psi		
5.	Wide angle; 2.5°		

Recommended distributors for this material

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