Propafilm™ RDU85

Polypropylene Alloy

Innovia Films Ltd.

Message:

High Barrier Differentially Coated Film
Biaxially oriented polypropylene (BOPP) film coated on one side with a high barrier aqueous dispersion of polyvinylidene chloride (PVdC) copolymer, the other side coated with an aqueous acrylic dispersion.
RDU85/100 are suitable for use as a single film or in laminations for overwrapping and form-fill-seal packaging especially in the bakery, cookie and confectionery industries.

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		
	Food Service Applications		
	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	0.20 to 0.30		
vs. Itself - Static, Outside/Outside	0.20 to 0.30		
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	2200	µm	
Seal Strength			Internal Method
-- [1]	0.15	N/mm	
-- [2]	0.15	N/mm	
Seal Initiation Temperature			Internal Method
-- [3]	85.0 to 146	°C	

-- [4]	104 to 146	°C	
Oxygen Permeability			ASTM F1927
23°C, 85% RH	0.16	$cm^3 \cdot mm/m^2/atm/24\ hr$	
25°C, 0% RH	0.16	$cm^3 \cdot mm/m^2/atm/24\ hr$	
Water Vapor Transmission Rate (38°C, 90% RH)	4.0	$g/m^2/24\ hr$	ASTM F1770
Yield	51.0	m^2/kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	100		ASTM D2457
Haze [5]	2.0 to 3.0	%	ASTM D1003
NOTE			
1.	PVdC/PVdC; 265°F; 2secs; 15psi		
2.	Acrylic/Acrylic; 265°F; 2secs; 15psi		
3.	Acrylic/Acrylic; 2secs; 15psi		
4.	PVdC/PVdC; 2secs; 15psi		
5.	Wide angle; 2.5°		

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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