

# Propafilm™ RD100

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.

RD85/100 are suitable for use as a single film or in laminates for overwrapping and form-fill-seal packaging especially in the bakery 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	0.25		
vs. Itself - Static, Outside/Outside	0.25		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	2500	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	

-- <sup>4</sup>	85.0 to 146	°C	
Oxygen Permeability (25°C, 0% RH)	0.74	cm <sup>3</sup> ·mm/m <sup>2</sup> /atm/24 hr	ASTM F1927
Water Vapor Transmission Rate (38°C, 90% RH)	5.0	g/m <sup>2</sup> /24 hr	ASTM F1770
Yield	41.4	m <sup>2</sup> /kg	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	100		ASTM D2457
Haze <sup>5</sup>	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°		

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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

