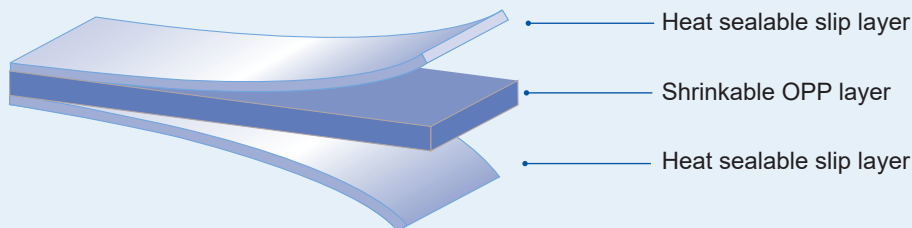


# Propafilm™ RSA

## Technical Data Sheet

**RSA - Transparent, Coextruded OPP film, with Shrink Properties.**



### Features

- Controlled shrink properties (approx. 10%)
- Two-side heat seal capability
- Anti-blocking and anti-static properties
- Excellent tear strength and puncture resistance
- Oil and grease resistant
- Meets FDA approval for use in food packaging applications
- Stable in varying conditions of humidity

### Application

High speed wrapping of individual hard packs and cartons.

### Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	RSA		
Thickness	ASTM D 4321		micron	16	20	25
			gauge	65	80	98
Basis Weight	ASTM D 4321		g/m <sup>2</sup>	15	18.2	22.8
			lbs/ream	9.2	11.2	14.0
Yield	ASTM D 4321		in <sup>2</sup> /lb	46,900	38,700	31,000
			m <sup>2</sup> /kg	66.6	54.9	44.0
Nominal Density	ASTM D 4321		g/m <sup>3</sup>	0.91	0.91	0.91
Tensile strength	Innovia test method	200mm/8"min	N/mm <sup>2</sup> MD	180	180	180
			N/mm <sup>2</sup> TD	290	290	290
			lbs/in <sup>2</sup> MD	26,100	26,100	26,100
			lbs/in <sup>2</sup> TD	42,050	42,050	42,050
Elongation at break	Innovia test method	200mm/8"min	% MD	140	140	140
			TD	60	60	60
Coefficient of Friction	ASTM D 1894	Static / Dynamic		0.25	0.25	0.25
MVTR	Innovia test method	38°C (100°F)/90% RH	g/m <sup>2</sup> /day	3.8	3.8	3.4
			g/100in <sup>2</sup> /day	0.25	0.25	0.2
Heat seal range	Innovia test method	Front 0.35N/ (0.5psi)/0.15secs	°C (min/max)	120-140	120-140	120-140
			°F (min/max)	248-284	248-284	248-284
Heat seal strength	Innovia test method	Front 140°C/0.35N/0.15secs 284°F/0.5PSI/0.15secs	N/15mm	1.5	1.8	1.8
			g/in	259	311	311
Shrinkage (production value)	Innovia test method	5min at 130°C (266°F)	% MD	>10	>10	>9
			TD	>10	>10	>9

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 73 ± 4F, 50 ± 5% RH (23 ± 2°C, 50 ± 5% RH) unless otherwise stated. Where relevant, tests are based on international standards.

This document is not a product specification and does not guarantee any specific product attributes. Any existing commercial rights or patents must be observed.

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## Technical Data Sheet

### Nominal Reel Diameters

Film	Length (metres)	
RSA 16	4,000	5,333
RSA 20	3,200	4,267
RSA 25	2,550	3,400

Film	Length (feet)	
RSA 65	13,123	17,498
RSA 80	10,499	13,998
RSA 98	8,366	11,155

Outside Diameter	1x	4/3x
For 3in / 77mm core	12.0" (in) 300mm	14.1" (in) 358mm
For 6in / 153mm core	-	21.1 (in) 537mm

All rolls are wound to length. Actual OD may vary with thickness and winding density variations.

### Film Storage and Handling

This film is largely unaffected by climate influences, but it should be stored at temperatures below 100°F (38°C). The rolls should be kept in their original wrapping until used. After the rolls have been unwrapped, they should be stored upright with suitable protection for the edges. The films should be placed in the processing area 24 hours prior to processing to acclimatise. The films are largely unaffected by climatic conditions but should not be stored at temperatures above 104°F. Under suitable storage conditions the film can be stored for a period of six months without any risk of deterioration.

### Food Contact

FDA approved for direct food contact. Please contact Technical Services for individual "original" FDA Food Contact statements.

### Health & Safety Guidelines

MSDS sheets, as well as other product safety documents, are available for our films upon request.

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