

# Retort CPP Film

## CPP RetortFilm



*Retortable, one side corona treated*

### Description

Film with three layers of polypropylene copolymers which are formulated to obtain very high heat resistance and impact strength. This film contains a migratory additive package, which maintain their performance in high-temperature conditions. The corona treated side is located on the outside face of the reel.

### Main Characteristics

- Good retort.
- Excellent toughness
- Good flatness and dimensional stability.
- One face corona treated.

### Applications

This product is designed for hermetic sealing in laminations for retort applications. This film delivers toughness and resistance at high temperatures used in sterilization processes with autoclaves. This film has consistent performance up to 257°F and for up to 40 minutes of retort conditions. It meets the FDA and UE regulations to have direct food contact.

#### \* Important Considerations

\*It is recommended to store this material at conditions not exceeding 30°C, under shade and with a relative humidity of 60%. To protect against humidity and avoid film blocking, rolls should stay covered with the plastic overwrap when not in use.

\*The information in this data sheet is based on tests carried out in our laboratories and it is intended to be used for reference only, and does not constitute a specification; therefore, should not be construed as a guarantee of performance. It is the responsibility of the user to carry out the necessary tests to guarantee its use for the intended applications.

\*This product complies with FDA and EU regulations. For more detailed information about our technical and regulatory documents, please visit our website: <https://www.obengroup.com/en/documents>

## Standard Dimensions \*

\*This product has lot size and width restrictions. Please consult your sales representative.

Film Code	Thickness (µm)	Unit Weight (g/m <sup>2</sup> )	Width (mm)	Core Size	760 mm Ø Outside Diam.		Treatment
					Length (m)	Weight (kg/cm)	
CR 60	60.0	54.3	400 to 2,000	3" & 6"	7,000	3.76	Outside
CR 70	70.0	63.4			6,000		
CR 80	80.0	72.4			5,200		
CR 100	100.0	90.5			4,200		

## Typical Values of Physical Properties \*\*

\*\*Information and data presented in this data sheet is intended to be used as general guidelines. Physical properties specifications are available upon request.

Property	Unit	Testing Method	Thickness in Microns			
			60.0	70.0	80.0	100.0
Haze	-	ASTM D1003	25	27	29	31
Gloss 45°	%	ASTM D2457	30			
Coefficient of Friction - Kinetic	N	ASTM D1894	0.50			
Secant Modulus 2%	DM	ASTM D882	650			
	DT		600			
Impact Resistance	-	ASTM D3420	2.5			
Tear Resistance	DM	ASTM D1922	0.50			
	DT		5.0			
Surface Tension	-	ASTM D2578	37			
Heat Seal Initiation Temperature	N/N	ASTM F2029	130			
Water Vapor Transmission Rate (38 °C, 90 % R.H.)	T/T	ASTM F1249	9.0			
Oxygen Transmission Rate (23 °C, 0 % R.H.)	-	ASTM D3985	3,550	3,500	3,450	3,300

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