

# Bicor™ 60 CSR-2

Oriented Polypropylene Film

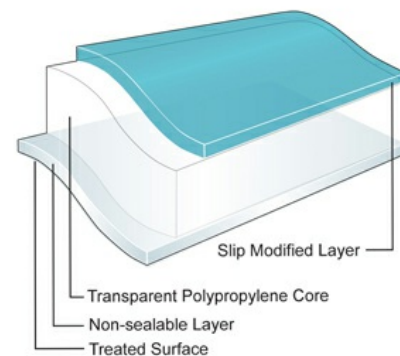
**Jindal**  
Films

## Product Description

Bicor CSR-2 is a one-side treated OPP film designed for cold seal release, either unsupported or as the outer web of a lamination.

## Key Features

- Excellent cold seal adhesion and ink adhesion on the treated surface
- Excellent release from cold seal adhesives
- CSR-2 utilizes a non-migratory slip system, which provides a consistently low COF through processing
- CSR-2 is an ideal slip film for applications where a non-treated surface is desired on the outside of the package



## General

### Availability

- ✓ Latin America
- ✓ North America
- ✓ South America

### Applications

- ✓ Biscuits/Cookie/Crackers
- ✓ Bakery
- ✓ Fresh Produce
- ✓ Confectionery, Chocolate
- ✓ Dairy Products

### Uses

- ✓ HFFS Flexible Packaging
- ✓ VFFS Flexible Packaging

### Appearance

- ✓ Clear/Transparent

### Processing Method

- ✓ Cold Seal Adhesive
- ✓ Outer Web Adhesive Lamination
- ✓ Solvent Flexographic Printing
- ✓ Solvent Rotogravure Printing
- ✓ Surface Print Unsupported
- ✓ Water-based Flexographic Printing
- ✓ Outer Web Extrusion Lamination

## Properties

Property	Typical Value	Unit	Test Based On
Yield	72.1	m <sup>2</sup> /kg	Internal Method
Unit Weight	13.8	g/m <sup>2</sup>	Internal Method
Film Thickness	15	µm	Internal Method
Haze	2.0	%	Internal Method
Gloss			
Untreated Surface	88		Internal Method
Tensile Strength at Break			
510 mm/min pull rate, 50 mm jaw separation			
MD	124	Mpa	Internal Method
TD	241	Mpa	Internal Method
Dimensional Stability			
135°C / 275°F, 7 min			
MD	-5.0	%	Internal Method
TD	-5.0	%	Internal Method
Coefficient of Friction			
Slip Modified/Slip Modified	0.20		Internal Method
Wetting Tension			
Treated Surface	0.83	receding cos θ	Internal Method
Water Vapor Transmission Rate			
38°C, 90% RH	8.4	g/m <sup>2</sup> /24 hr	Internal Method

## Food Contact

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Any further regulatory information on this product (i.e. Food Contact application, Presence/absence of substances, Reach, ...) are accessible on the below link: <https://www.jindalfilms.com/login-register-docmg/>

## Legal Statement

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Contact your Jindal Films Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB). This product is not intended for use in medical applications and should not be used in any such applications.

## Processing Statement

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- CSR-2 provides excellent printing and laminating performance without having to retreat or prime. Retreating may cause back-side treatment, which can affect release and COF characteristics. Contact cold seal supplier for recommended cohesive application.
- CSR-2 provides exceptional cold seal adhesion for monoweb applications without the need for retreating or priming.

## Footnotes

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1. Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete country availability.
2. Tested at 38°C (100°F)/100%RH, then calculated to 90%RH with .90 multiplier.

## Revision date

- October 10, 2013

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