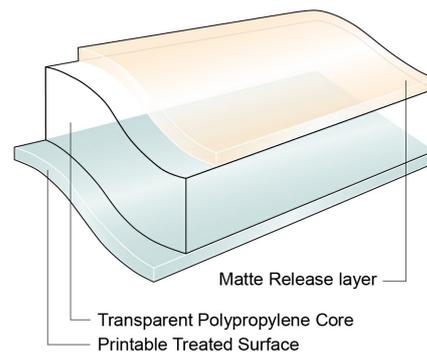


Bicor™ 18CSR

Oriented Polypropylene Film

Product Description

Bicor™ CSR is a one-side matte finish, one-side treated, non-heat sealable OPP film designed for cold seal release as the outer web of a lamination. CSR is also an excellent matte finish slip film for heat seal laminations. The paper-like appearance of CSR provides a differentiated shelf appeal, with a satiny appearance when reverse printed.



Key Features

- Excellent ink adhesion on the treated surface
- Non-migratory slip system for consistent COF
- Very uniform, low-gloss surface
- Excellent release from cold seal surfaces

General

Availability

- ✓ Africa & Middle East
- ✓ Asia Pacific
- ✓ Europe

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
- ✓ Water-based Flexographic Printing

Properties & Typical Values

Property	Typical Value	Unit	Test Based On
Yield	61.0	m ² /kg	Internal Method
Unit Weight	16.4	g/m ²	Internal Method
Film Thickness	18	µm	Internal Method
Gloss (20°)			
<i>Matte Surface</i>	8	Gloss Unit	Internal Method
Haze	74	%	Internal Method
Tensile Strength at Break			
<i>510 mm/min pull rate, 50 mm jaw separation</i>			
MD	110	Mpa	Internal Method
TD	200	Mpa	Internal Method
Dimensional Stability			
135°C / 275°F, 7 min			
MD	-4	%	Internal Method
TD	-4	%	Internal Method
Elongation at Break			
<i>510 mm/min pull rate, 50 mm jaw separation</i>			
MD	175	%	Internal Method
TD	60	%	Internal Method
Coefficient of Friction			
<i>Matte Surface</i>	0.35		Internal Method
Surface Tension (Cahn)			
Glossy Surface	0.82	receding cos θ	Internal Method
Wettability			
<i>Matte Surface</i>	0.60	receding cos θ	Internal Method

TYPICAL PROPERTIES : these are not to be construed as specifications

Food Contact

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

This product is not intended for or supported for use in pharmaceutical or medical applications requiring compliance with EU or US Pharmacopeia.

Processing Statement

- CSRM provides excellent adhesion on the treated side for printing, laminating, and cold seal adhesives. Light In-line retreatment is required.
- The matte surface is not suitable for printing.
- Contact your Jindal Films Technical Service Representative for processing recommendations and guidelines.

Footnotes

- Please contact your Sales Representative for complete country availability.

Revision date

- March 18, 2024

© 2023 Jindal Films. Jindal Films, the Jindal Films logo, and other product or service names used herein are trademarks of Jindal Films, unless indicated otherwise. You may not upload, display, publish, license, post, point to, frame, transmit or distribute either this document or its information, whether in whole or in part, without Jindal Films' prior written authorization. To the extent Jindal Films provides prior written authorization, the user may use the document or its information only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. Any data included herein may be based upon: analyses of representative samples and not the actual product shipped, typical values, or otherwise. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We base the information on data believed to be reliable, but we do not represent, warrant, or otherwise guarantee the accuracy, reliability, or completeness of this information; nor do we warrant, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, or suitability of the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of, or related to, anyone using or relying on any of the information in this document. This document is not an endorsement of any non-Jindal Films' product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "Jindal Films" and "Jindal" are each used for convenience, and may include Films Americas LLC, Jindal Films Americas LLC, Films Europe S.à.r.l., Jindal Films Viron SPRL, Jindal Films India Ltd., or any companies affiliated with them in the production and sale of film products. There are a number of such affiliated companies, some with names including "Jindal" or "Films" and some not. Neither these terms and conditions, nor anything else in this document, is intended to override or supersede the legal separateness of those affiliated companies and responsibility for local action and accountability remains with them.