

## ExxonMobil Bicolor® 100 LTSC OPP Film

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

### Material Notes:

**Product Description:** Bicolor LTSC is a two-side coated OPP film which is designed for use in high-speed or demanding horizontal, fin seal, packaging applications. The low-temperature seal coating (LTSC) delivers a low seal initiation temperature, wide operating range for applications where accurate heat control is a problem or dwell times vary because of frequent machine speed changes. LTSC's acrylic surface is excellent for surface printing and provides good aroma barrier. Availability: Latin America, North America and South America

**Key Features:** Wide sealing range with a low minimum seal temperature (MST) Excellent seal strength and hot tack Robust performances on horizontal flowpack machines Excellent humidity seal retention on LTSC side Good flavor and aroma barrier Outstanding optical properties Ideal support for normal ink systems

**Features:** Acrylic Coated Flavor & Aroma Barrier Humidity Resistant In Lamination Lap Sealable LTS Coated Very Broad Seal Range

**Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Frozen Food Health and Beauty Care Household and Detergents Tobacco

**Uses:** HFF Flexible Packaging Processing

**Method:** Inner Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print Unsupported and Water-based Flexographic Printing

Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Bicolor-100-LTSC-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-100-LTSC-OPP-Film.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	5.70 g/m <sup>2</sup> /day	0.367 g/100 in <sup>2</sup> /day	38°C, 90% RH; ExxonMobil Method
Thickness	25.4 microns	1.00 mil	Nominal; ExxonMobil Method
Coating Weight	22.6 g/m <sup>2</sup>	14.1 lb/ream	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.23	0.23	ExxonMobil Method
Film Tensile Strength at Break, MD	138 MPa	20000 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method
Film Tensile Strength at Break, TD	207 MPa	30000 psi	20 in/min, 2.0 in Jaw Separation; ExxonMobil Method

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.5 %	4.5 %	at 275°F; ExxonMobil Method
Shrinkage, TD	4.0 %	4.0 %	at 275°F; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	2.1 %	2.1 %	ExxonMobil Method
Gloss	90 %	90 %	45°, Acrylic Surface; ExxonMobil Method

Optical Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Crimp Seal MST	160°F	LTSC/LTSC, 200g/in	
Crimp Seal Strength	530 g/in	LTSC/LTSC, 260°F, 20psi, 3/4sec	
Yield	31100 in <sup>2</sup> /lb		

## Contact Songhan Plastic Technology Co.,Ltd.

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