

ExxonMobil Bicolor® 140 BSR-ONE OPP Film

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

Material Notes:

Product Description: Bicolor BSR-ONE is a two-side sealable, one side treated, coextruded OPP film designed for unsupported plain or surface print applications, and in laminations on both HFFS and VFFS packaging machines. **Availability:** Latin America, North America and South America **Key Features:** Excellent machinability Stable COF Excellent hot tack Excellent hot slip Excellent hot jaw release Excellent heat seal strength Wide heat seal range on the untreated side (80°F/45°C) Non-migratory slip system for consistent COF **Features:** In Lamination Lap Sealable **Applications:** Bakery Biscuits/Cookie/Crackers Box Overwrap Confectionery, Gum Confectionery, Sugar Crips and Snacks Frozen Food Pet Food **Uses:** Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made Bags – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print Unsupported **Information provided by ExxonMobil Chemical**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-140-BSR-ONE-OPP-Film.php

Physical Properties	Metric	English	Comments
Water Vapor Transmission	3.70 g/m ² /day	0.238 g/100 in ² /day	38°C, 90% RH; 518
Thickness	35.6 microns	1.40 mil	Nominal
Coating Weight	31.4 g/m ²	19.6 lb/ream	520

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.34	0.34	Treated; 430
	0.39	0.39	Untreated; 430
Film Tensile Strength at Break, MD	114 MPa	16500 psi	20 in/min, 2.0 in Jaw Separation; 510
Film Tensile Strength at Break, TD	255 MPa	37000 psi	20 in/min, 2.0 in Jaw Separation; 510

Thermal Properties	Metric	English	Comments
Shrinkage, MD	5.0 %	5.0 %	at 275°F; 438
Shrinkage, TD	4.5 %	4.5 %	at 275°F; 438

Optical Properties	Metric	English	Comments
Haze	2.3 %	2.3 %	444
Gloss	85 %	85 %	45°, Treated Surface; 442

Descriptive Properties	Value	Comments
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Crimp Seal MST Descriptive Properties	210°F Value	untreated Comments
	234°F	treated
Crimp Seal Strength	650, g/in	250°F, 20psi, 3/4sec
Wetting Tension	0.8receding COS theta	Treated Surface
Yield	22000 in ² /lb	

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