

ExxonMobil Bicolor® 50 LBW OPP Film

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

Material Notes:

Product Description: Bicolor LBW is a two-sided treated, slip modified, non-heat sealable OPP film designed for use as the outside web of a lamination. The print surface is treated and can be printed with water-based or solvent-based flexo and gravure inks and is the intended print and laminating surface.
Availability: Latin America, North America and South America
Key Features: Excellent ink adhesion and bond strength in adhesive, PVdC adhesive, and extrusion laminations
Applications: Bakery Biscuits/Cookie/Crackers Confectionery, Gum Confectionery, Sugar Crisps and Snacks Fresh Produce Uses: HFFS Flexible Packaging VFFS Flexible Packaging
Processing Method: Outer Web Adhesive Lamination, Outer Web Extrusion Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Water-based Flexographic Printing
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-50-LBW-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|--------------------------|----------------------------|----------------------------------|---------------------------------|
| Water Vapor Transmission | 10.9 g/m ² /day | 0.702 g/100 in ² /day | 38°C, 90% RH; ExxonMobil Method |
| Thickness | 12.7 microns | 0.500 mil | Nominal; ExxonMobil Method |
| Coating Weight | 11.4 g/m ² | 7.10 lb/ream | ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------|-----------|---|
| Coefficient of Friction | 0.35 | 0.35 | slip modified; ExxonMobil Method |
| Film Tensile Strength at Break, MD | 131 MPa | 19000 psi | 20 in/min, 2.0 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 234 MPa | 34000 psi | 20 in/min, 2.0 in Jaw Separation; ExxonMobil Method |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------------------------|
| Shrinkage, MD | 6.0 % | 6.0 % | at 275°F; ExxonMobil Method |
| Shrinkage, TD | 6.0 % | 6.0 % | at 275°F; ExxonMobil Method |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|------------------------|
| Haze | 1.7 % | 1.7 % | ExxonMobil Method |
| Gloss | 90 % | 90 % | 45°; ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|------------------------|------------------------|-----------------------|
| Wetting Tension | 0.8 receding COS theta | slip modified surface |

| Descriptive Properties | 0.85 receding COS theta Value | high energy surface Comments |
|------------------------|----------------------------------|---------------------------------|
| Yield | 61200 in ² /lb | |

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