

ExxonMobil Bicolor™ 40MB666 OPP Film

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

Material Notes:

Product Description: A is a biaxially oriented transparent polypropylene film acrylic coated two sides. It provides outstanding performance on all packaging machines. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Low sealing threshold High seal strength even under low pressure Good aroma barrier Excellent packaging machine performances Outstanding optical properties Excellent stiffness Ideal support for normal ink systems Water-based coatings **Features:** Acrylic Coated Flavor & Aroma Barrier **Applications:** Biscuits/Cookie/Crackers Box Overwrap Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks Health and Beauty Care Household and Detergents **Pet Food Uses:** Box Overwrap Flexible Packaging HFFS Flexible Packaging Pre-made – Flexible Packaging VFFS Flexible Packaging **Processing Method:** Cold Seal Adhesive, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print **Unsupported Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Bicolor-40MB666-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|--------------------------|-----------------------------|-----------------------------------|--------------------------------|
| Water Vapor Transmission | 0.605 g/m ² /day | 0.0390 g/100 in ² /day | 85% RH; ExxonMobil Method |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 3.57 g/m ² /day | 0.230 g/100 in ² /day | 90% RH; ExxonMobil Method |
| | @Temperature 38.0 °C | @Temperature 100 °F | |
| Oxygen Transmission Rate | 601 cc/m ² /day | 38.7 cc/100 in ² /day | Wet, 75% RH; ExxonMobil Method |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 605 cc/m ² /day | 39.0 cc/100 in ² /day | 0% RH; ExxonMobil Method |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Thickness | 40.6 microns | 1.60 mil | ExxonMobil Method |
| Coating Weight | 36.6 g/m ² | 22.9 lb/ream | ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|-------------|----------|--|
| Film Elongation at Break, MD | 175 % | 175 % | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Elongation at Break, TD | 65 % | 65 % | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Modulus of Elasticity | 2.00 GPa | 290 ksi | MD; ExxonMobil Method |
| | 3.50 GPa | 508 ksi | TD; ExxonMobil Method |
| Coefficient of Friction | 0.25 | 0.25 | Both Sides; ExxonMobil Method |
| | 610 g/25 mm | 610 g/in | |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|--|---|--|
| | @Pressure 0.276 MPa, Temperature 130 °C | @Pressure 40.0 psi, Temperature 266 °F | Otto Bruger, 0.2 sec; ExxonMobil Method |
| Film Tensile Strength at Break, MD | 120 MPa | 17400 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 245 MPa | 35500 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |

| Thermal Properties | Metric | English | Comments |
|--------------------|---|--|-------------------|
| Shrinkage, MD | 4.0 % @Temperature 135 °C, Time 432 sec | 4.0 % @Temperature 275 °F, Time 0.120 hour | ExxonMobil Method |
| Shrinkage, TD | 2.0 % @Temperature 135 °C, Time 432 sec | 2.0 % @Temperature 275 °F, Time 0.120 hour | ExxonMobil Method |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|------------------------|
| Haze | 1.6 % | 1.6 % | ExxonMobil Method |
| Gloss | 85 % | 85 % | 45°; ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|------------------------|---------------------------|-------------------|
| Heat Seal Range | 90°F | 36.3 psi, 0.2 sec |
| Yield | 18800 in ² /lb | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China