

ExxonMobil Bicolor™ 25ICT OPP Film

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

Material Notes:

Product Description: A one-side sealable, very broad seal range coextruded BOPP. This film is designed for use in unsupported plain or surface printed high-speed horizontal applications. The enhanced print layer, suitable for use with coex or coated ink systems, offers constant and consistent slip properties. **Availability:** Africa & Middle East, Asia Pacific and Europe **Key Features:** Superior printing efficiency on the printable layer **Consistent and stable slip** **Excellent hot slip** **Very broad sealing range** **Excellent hot tack** **Excellent optical properties** **Features:** Very Broad Seal Range **Applications:** Bakery Biscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, Sugar Crisps and Snacks **Fresh Produce** **Frozen Food** **Health and Beauty Care** **Household and Detergents** **Ice Cream** **Pet Food** **Uses:** HFFS Flexible Packaging **Processing Method:** Inner Web Adhesive Lamination, 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-25ICT-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|--------------------------|----------------------------|-----------------------------------|---------------------------|
| Water Vapor Transmission | 1.10 g/m ² /day | 0.0710 g/100 in ² /day | 85% RH; ExxonMobil Method |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| | 4.97 g/m ² /day | 0.320 g/100 in ² /day | 90% RH; ExxonMobil Method |
| | @Temperature 38.0 °C | @Temperature 100 °F | |
| Thickness | 24.9 microns | 0.980 mil | ExxonMobil Method |
| Coating Weight | 21.8 g/m ² | 13.6 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 |
| | 3.80 GPa | 551 ksi | TD; ExxonMobil Method |
| Coefficient of Friction | 0.28 | 0.28 | Treated; ExxonMobil Method |
| | 0.40 | 0.40 | Untreated; ExxonMobil Method |
| Seal Strength | 410 g/25 mm | 410 g/in | ESM, 0.8 sec, Untreated; ExxonMobil Method |
| | @Pressure 0.138 MPa | @Pressure 20.0 psi | |
| Film Tensile Strength at Break, MD | 145 MPa | 21000 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|-----------|--|
| Impact Break, TD | 272 kJPa | 20000 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |

| Thermal Properties | Metric | English | Comments |
|--------------------|---|--|-------------------|
| Shrinkage, MD | 6.0 % @Temperature 135 °C, Time 432 sec | 6.0 % @Temperature 275 °F, Time 0.120 hour | ExxonMobil Method |
| Shrinkage, TD | 5.0 % @Temperature 135 °C, Time 432 sec | 5.0 % @Temperature 275 °F, Time 0.120 hour | ExxonMobil Method |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|------------------------|
| Haze | 1.3 % | 1.3 % | ExxonMobil Method |
| Gloss | 85 % | 85 % | 45°; ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|------------------------|---------------------------|-------------------|
| Heat Seal Range | 99°F | 36.3 psi, 0.2 sec |
| Yield | 31600 in ² /lb | |

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