# ExxonMobil Bicor™ 15MB400 OPP Film

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

**Material Notes:**

Product Description: Bicor 15MB400 is one side treated, sealable coextruded OPP film. It is designed for use in laminations.Availability: Africa & Middle East, Asia Pacific and EuropeKey Features:Outstanding optical propertiesGood seal strengthGood dimensional stabilityGood hot slipGood hot tackFeatures:In Lamination Lap SealableApplications:BakeryBiscuits/Cookie/Crackers Confectionery, Chocolate Confectionery, Gum Confectionery, SugarCrisps and SnacksFresh ProduceFrozen FoodHealth and Beauty CareHousehold and DetergentsIce CreamPet FoodUses:HFFS Flexible Packaging Pre-made Bags – Flexible PackagingVFFS Flexible PackagingProcessing Method: Outer Web Adhesive Lamination, Outer Web Extrusion Lamination, Solvent Flexographic Printing and Solvent Rotogravure PrintingInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Bicor-15MB400-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Water Vapor Transmission | 1.55 g/m²/day<br>@Temperature 23.0 °C | 0.100 g/100 in²/day<br>@Temperature 73.4 °F | 85% RH; ExxonMobil Method |
| | 7.76 g/m²/day<br>@Temperature 38.0 °C | 0.500 g/100 in²/day<br>@Temperature 100 °F | 90% RH; ExxonMobil Method |
| Thickness | 15.0 microns | 0.590 mil | ExxonMobil Method |
| Coating Weight | 13.4 g/m² | 8.40 lb/ream | ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Film Elongation at Break, MD | 205 % | 205 % | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Elongation at Break, TD | 55 % | 55 % | 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 | 0.30 | 0.30 | Untreated; ExxonMobil Method |
| Seal Strength | 300 g/25 mm<br>@Pressure 0.138 MPa, Temperature 115 °C | 300 g/in<br>@Pressure 20.0 psi, Temperature 239 °F | 0.8 sec, Untreated; ExxonMobl Method |
| Film Tensile Strength at Break, MD | 140 MPa | 20300 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 290 MPa | 42100 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |

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

| Optical Properties | Metric | English | Comments |
|---|---|---|---|
| Haze | 1.7 % | 1.7 % | ExxonMobil Method |
| Gloss | 85 % | 85 % | 45°; ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Heat Seal Range | 54°F | 36.3 psi, 0.2 sec |
| Yield | 51500 $in^2/lb$ | |

## 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