# ExxonMobil Bicor™ 30MBR666 OPP Film

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

**Material Notes:**

Product Description: Bicor 30MBR is a biaxially oriented transparent polypropylene film coated with humidity resistant acrylic on both sides. This film is designed to wrap products with a high moisture content or products stored in humid conditions. MBR666 gives outstanding performance on all packaging machines.Availability: Africa & Middle East, Asia Pacific, Europe, Latin America, North America and South AmericaKey Features:Excellent seal retention on both sides in humid conditionsLow sealing thresholdHigh strengths even under low pressure sealingGood aroma barrierExcellent packaging machine performanceOutstanding optical propertiesExcellent stiffnessIdeal support for normal ink systemsWater-based coatingsFeatures:Flavor & Aroma BarrierHumidity ResistantHumidity Resistant Acrylic CoatedIn Lamination Lap SealableApplications:Box OverwrapFresh ProduceFrozen FoodHealth and Beauty CareHousehold and DetergentsIce CreamIndustrialPaper Ream wrapUses:Box Overwrap Flexible PackagingHFFS Flexible PackagingPre-made Bags – Flexible PackagingVFFS Flexible PackagingProcessing Method: Inner Web Adhesive Lamination, Outer Web Adhesive Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing and Surface Print UnsupportedInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Bicor-30MBR666-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Water Vapor Transmission | 1.01 g/m²/day<br>@Temperature 23.0 °C | 0.0650 g/100 in²/day<br>@Temperature 73.4 °F | 85% RH; ExxonMobil Method |
| | 4.50 g/m²/day<br>@Temperature 38.0 °C | 0.290 g/100 in²/day<br>@Temperature 100 °F | 90% RH; ExxonMobil Method |
| Oxygen Transmission Rate | 745 cc/m²/day<br>@Temperature 23.0 °C | 48.0 cc/100 in²/day<br>@Temperature 73.4 °F | 0% RH; ExxonMobil Method |
| | 751 cc/m²/day<br>@Temperature 23.0 °C | 48.4 cc/100 in²/day<br>@Temperature 73.4 °F | Wet, 75% RH; ExxonMobil Method |
| Thickness | 30.5 microns | 1.20 mil | ExxonMobil Method |
| Coating Weight | 27.4 g/m² | 17.1 lb/ream | ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Film Elongation at Break, MD | 200 % | 200 % | 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 | 2.20 GPa | 319 ksi | MD; ExxonMobil Method |
| | 3.50 GPa | 508 ksi | TD; ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Coefficient of Friction | 0.25 | 0.25 | Both Sides; ExxonMobil Method |
| Seal Strength | 290 g/25 mm<br>@Pressure 0.00345 MPa, Temperature 100 °C | 290 g/in<br>@Pressure 0.500 psi, Temperature 212 °F | LPS, 0.5 sec; ExxonMobl Method |
| Film Tensile Strength at Break, MD | 135 MPa | 19600 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 275 MPa | 39900 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 | 1.4 % | 1.4 % | ExxonMobil Method |
| Gloss | 85 % | 85 % | 45°; ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Heat Seal Range | 50°C | 36.3 psi (0.25 MPa), 0.2 sec |
| Yield | 25200 $in^2/lb$ | |

## 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