# ExxonMobil Metallyte™ 18MM883 OPP Film

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

**Material Notes:**

Product Description: An ultra high barrier (UHB), biaxially oriented multilayer polypropylene film. This film has an exceptional barrier to oxygen, flavors and aromas and has an excellent water vapor barrier. The non-metallized side is treated for adhesive lamination and cold seal applications.Availability: Africa & Middle East, Asia Pacific, Europe, Latin America, North America and South AmericaKey Features:Very high water and gas barrierGood aroma and flavor protectionExcellent metal adhesionEasy convertibility on both sidesExcellent puncture resistanceFeatures:Flavor & Aroma BarrierGas Barrier Light BarrierMoisture BarrierOxygen BarrierTwo Side ProcessableApplications:Biscuits/Cookie/CrackersConfectionery, Chocolate Crisps and SnacksDry Foods and Beverage PowdersHealth and Beauty CareHousehold and DetergentsPet Food Uses: HFFS Flexible Packaging Pouches – Flexible PackagingPre-made Bags – Flexible PackagingVFFS Flexible PackagingProcessing Method: Cold Seal Adhesive, Middle Web Adhesive Lamination and Outer Web Adhesive LaminationInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Metallyte-18MM883-OPP-Film.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Water Vapor Transmission | 0.0931 g/m²/day<br>@Temperature 38.0 °C | 0.00600 g/100 in²/day<br>@Temperature 100 °F | 90% RH; ExxonMobil Method |
| Oxygen Transmission Rate | 0.101 cc/m²/day<br>@Temperature 23.0 °C | 0.00650 cc/100 in²/day<br>@Temperature 73.4 °F | ExxonMobil Method |
| Thickness | 18.0 microns | 0.710 mil | ExxonMobil Method |
| Coating Weight | 16.2 g/m² | 10.1 lb/ream | ExxonMobil Method |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Film Tensile Strength at Break, MD | 150 MPa | 21800 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 260 MPa | 37700 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 |
|---|---|---|---|
| Optical Density | 2.8 | 2.8 | ExxonMobil Method |
| Transmission, Visible | 0.20 % | 0.20 % | ExxonMobil Method |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Yield | 42900 $in^2/lb$ | |

## Contact Songhan Plastic Technology Co.,Ltd.

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