

## ExxonMobil Label-Lyte™ 40LH247 OPP Film

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

### Material Notes:

**Product Description:** A super white opaque, caviated BOPP film for Pressure Sensitive (PSA) labeling applications where superior optics are desired. LH247 also shows good performances on reel-fed wrap-around labeling machines, where its high stiffness is particularly appreciated.

**Availability:** Africa & Middle East, Asia Pacific and Europe

**Key Features:** Outstanding white opaque background and superb white gloss finish

**Good printability** on outside treated side

**Compatibility** with most adhesive formulations

**Excellent stiffness** and flex resistance

**Very good moisture resistance**

**Good overall converting, diecutting, and dispensing properties**

**Applications:** Beverage, Alcoholic Beverage, Carbonated Beverage, Mineral Waters Dairy Products

**Health and Beauty Care Industrial Uses:** Pressure Sensitive Labels Reel-Fed Labels

**Processing Method:** Inner Web Adhesion Lamination, Solvent Flexographic Printing, Solvent Rotogravure Printing, Surface Print Unsupported, UV Flexographic Printing, UV Letterpress Printing, UV Offset Lithography Printing and Water-based Flexographic Printing

Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Label-Lyte-40LH247-OPP-Film.php](http://www.lookpolymers.com/polymer_ExxonMobil-Label-Lyte-40LH247-OPP-Film.php)

| Physical Properties | Metric                | English      | Comments          |
|---------------------|-----------------------|--------------|-------------------|
| Thickness           | 40.6 microns          | 1.60 mil     | ExxonMobil Method |
| Coating Weight      | 28.5 g/m <sup>2</sup> | 17.8 lb/ream | ExxonMobil Method |

| Mechanical Properties              | Metric   | English   | Comments                                             |
|------------------------------------|----------|-----------|------------------------------------------------------|
| Film Elongation at Break, MD       | 170 %    | 170 %     | 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              | 1.70 GPa | 247 ksi   | MD; ExxonMobil Method                                |
|                                    | 2.80 GPa | 406 ksi   | TD; ExxonMobil Method                                |
| Coefficient of Friction            | 0.60     | 0.60      | Untreated Surface; ExxonMobil Method                 |
| Film Tensile Strength at Break, MD | 105 MPa  | 15200 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |
| Film Tensile Strength at Break, TD | 185 MPa  | 26800 psi | 7.9 in/min, 4.9 in Jaw Separation; ExxonMobil Method |

| Thermal Properties | Metric                            | English                              | Comments          |
|--------------------|-----------------------------------|--------------------------------------|-------------------|
| Shrinkage, MD      | 3.0 %                             | 3.0 %                                | ExxonMobil Method |
|                    | @Temperature 135 °C, Time 432 sec | @Temperature 275 °F, Time 0.120 hour |                   |
|                    | 3.0 %                             | 3.0 %                                |                   |

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

| Optical Properties    | Metric | English | Comments               |
|-----------------------|--------|---------|------------------------|
| Gloss                 | 70 %   | 70 %    | 45°; ExxonMobil Method |
| Transmission, Visible | 25 %   | 25 %    | ExxonMobil Method      |

| Descriptive Properties | Value                     | Comments |
|------------------------|---------------------------|----------|
| Yield                  | 24200 in <sup>2</sup> /lb |          |

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