

Braskem LH118 Blown Film Extrusion Linear Low Density Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

Stretch films; Liners; LDPE and HDPE blends; Packages for general use. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LH118-Blown-Film-Extrusion-Linear-Low-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-----------------|
| Specific Gravity | 0.916 g/cc | 0.916 g/cc | ASTM D1505/D792 |
| Thickness | 25.0 microns | 0.984 mil | |
| Melt Flow | 1.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 1.0 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------|-----------|---------------------|
| Film Elongation at Break, MD | 1080 % | 1080 % | ASTM D882 |
| Film Elongation at Break, TD | 1360 % | 1360 % | ASTM D882 |
| Elmendorf Tear Strength MD | 300 g | 300 g | gF; ASTM D1922 |
| Elmendorf Tear Strength TD | 510 g | 510 g | gF; ASTM D1922 |
| Dart Drop Test | 150 g | 0.331 lb | gF/50%F; ASTM D1709 |
| Film Tensile Strength at Break, MD | 40.0 MPa | 5800 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 40.0 MPa | 5800 psi | ASTM D882 |
| 1% Secant Modulus, MD | 200 MPa | 29000 psi | ASTM D882 |
| 1% Secant Modulus, TD | 210 MPa | 30500 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|---------------------------------|-----------------------------------|-----------------|
| Haze | 24 % @Thickness 0.0250 mm | 24 % @Thickness 0.000984 in | ASTM D1003 |
| Gloss | 69 % @Thickness 0.0250 mm | 69 % @Thickness 0.000984 in | 60°; ASTM D2457 |

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