

Braskem PB681/59 Blown Film Extrusion Low Density Polyethylene

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

Material Notes:

Description: PB681/59 is a grade produced under high pressure in a tubular reactor. This resin is used for laminating films mainly on paper substrate. It is also used in the extrusion coating process. Films obtained with this product show excellent optical properties and high draw down abilityAutomatic packaging for several products; Lamination.Additives: Antiblock, D and Slip HighInformation provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PB68159-Blown-Film-Extrusion-Low-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-----------------|
| Specific Gravity | 0.922 g/cc | 0.922 g/cc | ASTM D1505/D792 |
| Thickness | 38.0 microns | 1.50 mil | |
| Melt Flow | 3.8 g/10 min @Load 2.16 kg, Temperature 190 °C | 3.8 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------|----------|---------------------|
| Film Elongation at Break, MD | 340 % | 340 % | ASTM D882 |
| Film Elongation at Break, TD | 1050 % | 1050 % | ASTM D882 |
| Elmendorf Tear Strength TD | 100 g | 100 g | gF; ASTM D1922 |
| Dart Drop Test | 60.0 g | 0.132 lb | gF/50%f; ASTM D1709 |
| Film Tensile Strength at Break, MD | 30.0 MPa | 4350 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 20.0 MPa | 2900 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|----------------------------------|--------------------------------|-----------------|
| Haze | 5.0 % @Thickness 0.0380 mm | 5.0 % @Thickness 0.00150 in | ASTM D1003 |
| Gloss | 112 % @Thickness 0.0380 mm | 112 % @Thickness 0.00150 in | 60°; ASTM D2457 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Zone 1 | 110 °C | 230 °F | |
| Die Temperature | 150 °C | 302 °F | |

Processing Properties

Metric

English

Comments

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