

Braskem LL6901S LLDPE Blown Film Extrusion Polyethylene Copolymer

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

Material Notes:

LL6901S is a LLDPE Butene copolymer produced by Braskem. It is a ready to use product since it's been compounded with 15% LDPE. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. It has very low gel content. It contains medium anitblocking, medium slip, processing aid, and LDPE additives. Its applications include: automatic packaging (FFS), liners, general purpose, and HDPE and LDPE blends.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL6901S-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.920 g/cc | 0.0332 lb/in ³ | ASTM-D792 |
| Melt Flow | 0.68 g/10 min @Load 2.16 kg, Temperature 190 °C | 0.68 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM-D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|----------------|-------------|------------|
| Film Elongation at Break, MD | 930 % | 930 % | ASTM-D882 |
| Film Elongation at Break, TD | 1200 % | 1200 % | ASTM-D882 |
| Elmendorf Tear Strength MD | 60 g | 60 g | ASTM-D1922 |
| Elmendorf Tear Strength TD | 520 g | 520 g | ASTM-D1922 |
| Elmendorf Tear Strength, MD | 1.58 g/micron | 40.1 g/mil | ASTM-D1922 |
| Elmendorf Tear Strength, TD | 13.68 g/micron | 347.5 g/mil | ASTM-D1922 |
| Dart Drop | 2.37 g/micron | 60.2 g/mil | ASTM-D1709 |
| Dart Drop Test | 90.0 g | 0.198 lb | ASTM-D1709 |
| Film Tensile Strength at Break, MD | 40.0 MPa | 5800 psi | ASTM-D882 |
| Film Tensile Strength at Break, TD | 30.0 MPa | 4350 psi | ASTM-D882 |
| 1% Secant Modulus, MD | 160 MPa | 23200 psi | ASTM-D882 |
| 1% Secant Modulus, TD | 170 MPa | 24700 psi | ASTM-D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------------------|
| Haze | 7.0 % | 7.0 % | ASTM-D1003 |
| Gloss | 127 % | 127 % | Angle 60°; ASTM-D2457 |

| Optical Properties | Metric | English | Comments |
|-----------------------|------------------|--------------------|----------------------|
| Processing Properties | Metric | English | Comments |
| Die Opening | 0.180 - 0.250 cm | 0.0709 - 0.0984 in | Blown Film Extrusion |
| Blow-up Ratio (BUR) | 2.0 - 3.0 | 2.0 - 3.0 | Blown Film Extrusion |

| Descriptive Properties | Value | Comments |
|--------------------------|----------|----------------------|
| Mass Temperature (°C) | 190-210 | Blown Film Extrusion |
| Screen Package | 40/40 | 100% pure |
| | 40/60/40 | Blend |
| Temperature Profile (°C) | 180-210 | Blown Film Extrusion |

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