

ICELENE LH0825 Hexene Copolymer LLDPE Film Resins

Applications:

Bags , Pouches,Can Liner, Food Packaging
Grocery and Merchandise bags
Heavy Duty shipping sacks,Shrink Film

Additive packages

AA Slip (0 ppm), Antiblock (0 ppm)
AS Slip (0 ppm), Antiblock (5000 ppm)
BB Slip (1000 ppm), Antiblock (5500 ppm)
CC Slip (1500 ppm), Antiblock 8000 ppm)

PRODUCT DESCRIPTION

ICELENE LH0825 is a certified prime resin intended for use in industrial and consumer packaging requiring exceptional tensile , stiffness and toughness properties. These superior properties, along with good drawdown capability, permit usage in many demanding applications. ICELENE LH0825 resin complies with the specifications contained in the U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520 for olefin polymers, para. (c) 3.2a, and may thus be used in the United States as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability.

| Properties* | Test Method | Metric Units | | English | |
|------------------------------------|-------------|---------------|-------------------|---------------|-------------------|
| | | Typical Value | Unit | Typical Value | Unit |
| Melt Flow Index ² | ASTM D1238 | 0.8 | g/10 min. | 0.8 | g/10 min |
| Density (23°C) | ASTM D792 | 0.925 | g/cm ³ | 0.925 | g/cm ³ |
| Film Properties¹ | | | | | |
| Tensile Strength at yield | | | | | |
| MD | ASTM D882 | 12 | Mpa | 1700 | psi |
| TD | ASTM D882 | 13 | Mpa | 2000 | psi |
| Tensile Strength at Break | | | | | |
| MD | ASTM D882 | 58 | Mpa | 8400 | psi |
| TD | ASTM D882 | 52 | Mpa | 7540 | psi |
| Secant Modulus- 1 % Secant | | | | | |
| MD | ASTM D882 | 335 | MPa | 48600 | psi |
| TD | ASTM D882 | 365 | MPa | 52900 | psi |
| Elongation | | | | | |
| MD | ASTM D882 | 710 | % | 710 | % |
| TD | ASTM D882 | 855 | % | 855 | % |
| Elmendorf Tear Strength | | | | | |
| MD | ASTM D1922 | 320 | g | 320 | g |
| TD | ASTM D882 | 650 | g | 650 | g |
| Dart Drop Impact | ASTM D1709A | 125 | g | 125 | g |
| Gloss (45°) | ASTM D2457 | 49 | | 49 | |
| Haze | ASTM D1003 | 14 | % | 14 | % |

* Typical Value of Properties which can vary with in specification limits and are not to be construed as specifications.

¹ Film properties are typical of blown film extruded on a 2.5" extruder with 4" die and 100-mil die gap at a blow up ratio of 2.5:1 but are dependent upon operatin Conditions.

2 Condition 190°C/2.16 kg.

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