

Braskem Green PE SHA7260 Injection Molding High Density Polyethylene

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Description: SHA7260 is a high-density polyethylene, developed for the injection molding, easy to process and with high productivity. This resin has a good melt flow with high rigidity and hardness. Its narrow molar mass distribution results in a low tendency to warpage. The minimum biobased content of this grade is 94%, determined according to ASTM D6866. Application: Pails & basins, Caps & Closures, Toys, Lids, Thin-walled parts and Housewares. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Green-PE-SHA7260-Injection-Molding-High-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|---|
| Specific Gravity | 0.956 g/cc | 0.956 g/cc | ASTM D792 |
| ESCR 100% Igepal® | <= 4.0 hour @Temperature 50.0 °C | <= 4.0 hour @Temperature 122 °F | h/F50; Compression molded 2mm notched-plaques; ASTM D1693 |
| Melt Flow | 20 g/10 min @Load 2.16 kg, Temperature 190 °C | 20 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------------|------------|----------------|------------|
| Hardness, Shore D | 64 | 64 | ASTM D2240 |
| Tensile Strength, Yield | 29.0 MPa | 4210 psi | ASTM D638 |
| Elongation at Yield | 7.2 % | 7.2 % | ASTM D638 |
| Flexural Modulus, 1% Secant | 1350 MPa | 196000 psi | ASTM D790 |
| Izod Impact, Notched | 0.250 J/cm | 0.468 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 74.0 °C | 165 °F | ASTM D648 |
| Vicat Softening Point | 124 °C | 255 °F | 10 N; ASTM D1525 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China