

Braskem HA7260 HDPE Injection Molding Polyethylene

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

Material Notes:

HA7260 is a high-density polyethylene that was developed for injection molding. It is easy to process and has high productivity, high rigidity and hardness, and a good melt flow. Its narrow molar mass distribution results in low warpage. Its applications include: pails, basins, toys, lids, thin-walled parts, and housewares.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-HA7260-HDPE-Injection-Molding-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|--|------------------------------------|
| Density | 0.955 g/cc | 0.0345 lb/in ³ | ASTM-D792 |
| ESCR 100% Igepal® | <= 4.0 hour @Thickness 2.00 mm, Temperature 50.0 °C | <= 4.0 hour @Thickness 0.0787 in, Temperature 122 °F | 0.3 mm 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 @Load 1.02 kg | 255 °F @Load 2.25 lb | ASTM-D1525 |

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