

Braskem Green PE SHC7260 Injection Molding High Density Polyethylene

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

Material Notes:

Description: SHC7260 is a high-density polyethylene, developed for the injection molding which presents high hardness and stiffness, besides low tendency to warpage. The minimum biobased content of this grade is 94%, determined according to ASTM D6866. Application: Boxes for frozen food and agricultural products, industrial containers and boxes for general use, Safety Helmets, Toilet seats, Housewares, Toys, Lids, Caps & Closures, Pallets and Boxes for beverages bottles. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Green-PE-SHC7260-Injection-Molding-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.959 g/cc	0.959 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	7.2 g/10 min @Load 2.16 kg, Temperature 190 °C	7.2 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	30.0 MPa	4350 psi	ASTM D638
Elongation at Yield	7.5 %	7.5 %	ASTM D638
Flexural Modulus, 1% Secant	1350 MPa	196000 psi	ASTM D790
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 °C	169 °F	ASTM D648
Vicat Softening Point	126 °C	259 °F	10 N; ASTM D1525

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