

Braskem JV060U Injection Molding High Density Polyethylene

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

Material Notes:

Boxes for beverages bottles; Boxes in general; Technical parts. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-JV060U-Injection-Molding-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.957 g/cc	0.957 g/cc	ASTM D1505/D792
ESCR 100% Igepal®	15 hour @Temperature 50.0 °C	15 hour @Temperature 122 °F	h/50%f; compression molded 2 mm notched-plaques; ASTM D1683
ESCR 10% Igepal®	10 hour @Temperature 50.0 °C	10 hour @Temperature 122 °F	h/50%f; compression molded 2 mm notched-plaques; ASTM D1683
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Flexural Modulus, 1% Secant	1360 MPa	197000 psi	ASTM D790
Izod Impact, Notched	0.360 J/cm	0.674 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	71.0 °C	160 °F	ASTM D648
Vicat Softening Point	125 °C	257 °F	ASTM D1525

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