

Braskem IH57 HDPE Injection Molding Polyethylene Copolymer

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

Material Notes:

IH57 is a high-density polyethylene, narrow molecular weight butene-1 copolymer produced by the solution process for injection molding applications. It offers high stress cracking resistance with processing and stiffness balance. It contains antioxidant additives. This resin was especially developed for injection molding of linerless bottle caps. IH57 grade is indicated for injection molding under processing conditions comparable to high-density polyethylene with a similar melt flow index and density. Recommended temperature profile: 170 to 230°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-IH57-HDPE-Injection-Molding-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM-D792
ESCR 10% 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	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ASTM-D2240
Tensile Strength at Break	33.0 MPa	4790 psi	ASTM-D638
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM-D638
Flexural Modulus, 1% Secant	990 MPa	144000 psi	ASTM-D790
Izod Impact, Notched	1.10 J/cm	2.06 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	ASTM-D648
Vicat Softening Point	125 °C @Load 1.02 kg	257 °F @Load 2.25 lb	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