

Braskem GV0350 HDPE Blow Molding Polyethylene Copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

HDPE GV0350 is a high-density polyethylene copolymer that has great molar mass, excellent chemical resistance, and high impact resistance and stiffness. It was developed for the blow-molding of large volumes, especially for 200 L tight-head blow molded drums. Its applications include: shipping containers from 100 to 240 L, L-ring drums of 200 L, and gallons and drums for chemical and agrochemical products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-GV0350-HDPE-Blow-Molding-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM-D792
ESCR 100% Igepal®	200 hour @Thickness 2.00 mm, Temperature 50.0 °C	200 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
ESCR 10% Igepal®	37 hour @Thickness 2.00 mm, Temperature 50.0 °C	37 hour @Thickness 0.0787 in, Temperature 122 °F	0.3 mm notched-plaques; ASTM-D1693
Melt Flow	2.5 g/10 min @Load 21.6 kg, Temperature 190 °C	2.5 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM-D2240
Tensile Strength at Break	42.0 MPa	6090 psi	ASTM-D638
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM-D638
Flexural Modulus, 1% Secant	960 MPa	139000 psi	ASTM-D790
Izod Impact, Notched	8.90 J/cm	16.7 ft-lb/in	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM-D648
Vicat Softening Point	129 °C @Load 1.02 kg	264 °F @Load 2.25 lb	ASTM-D1525

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