

Braskem BT 003 HDPE Blow Molding Polyethylene (discontinued **)

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

Material Notes:

Applications: Bottles for food products, lubricating and cooking oil; toys; bottler for surface-active agents; sheets. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-BT-003-HDPE-Blow-Molding-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	ASTM D1505
ESCR 100% Igepal®	16 hour @Thickness 3.00 mm, Temperature 23.0 °C	16 hour @Thickness 0.118 in, Temperature 73.4 °F	compression molded plaques; ASTM D1693B
Melt Flow	0.33 g/10 min @Load 2.16 kg, Temperature 190 °C	0.33 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
High Load Melt Index	45 g/10 min @Load 21.6 kg, Temperature 190 °C	45 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Tensile Strength, Yield	24.0 MPa	3480 psi	ASTM D638
Flexural Modulus	1.439 GPa	208.7 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	72.0 °C	162 °F	ASTM D648
Vicat Softening Point	128 °C	262 °F	ASTM D1525

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