

**Braskem BT 100K HDPE Blow Molding Polyethylene (discontinued \*\*)**

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

**Material Notes:**Applications: Large containers from 60 to 200 liters  
Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-BT-100K-HDPE-Blow-Molding-Polyethylene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Braskem-BT-100K-HDPE-Blow-Molding-Polyethylene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	144 hour @Thickness 3.00 mm, Temperature 23.0 °C	144 hour @Thickness 0.118 in, Temperature 73.4 °F	compression molded plaques; ASTM D1693B
High Load Melt Index	7.5 g/10 min @Load 21.6 kg, Temperature 190 °C	7.5 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	42.0 MPa	6090 psi	ASTM D638
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Flexural Modulus	1.266 GPa	183.6 ksi	ASTM D790
Izod Impact, Notched	6.70 J/cm	12.6 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	72.0 °C	162 °F	ASTM D648
Vicat Softening Point	126 °C	259 °F	ASTM D1525

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