

Total HDPE BM961 High Density Polyethylene, High Gloss Blow Molding Resin

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

Material Notes:

Polyethylene: High density High Gloss Blow Molding Resin
 Characteristics: High Gloss, High stiffness, Good abrasion resistance, FDA Compliant
 Applications: Coextruded glossy bottles, Blending agent for other polyethylenes to increase stiffness or to increase gloss
 Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-BM961-High-Density-Polyethylene-High-Gloss-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.961 g/cc	0.961 g/cc	ASTM D792
ESCR 10% Igepal®	>= 10 hour	>= 10 hour	ASTM D1693, Cond. B
Melt Flow	1.2 g/10 min	1.2 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	33 g/10 min	33 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.6 MPa	4300 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Modulus	1.33 GPa	193 ksi	ASTM D790
Izod Impact, Notched	2.94 J/cm	5.50 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	129 °C	265 °F	ASTM D3417

Optical Properties	Metric	English	Comments
Gloss	>= 25 %	>= 25 %	at 60°; Total Method

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °F	Extrusion

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