

Total HDPE B5845 High Density Polyethylene - Blow Molding Resin

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

Material Notes:

Bimodal HDPE Blow Molding Resin
 Characteristics: Excellent stress cracking resistance
 Excellent stiffness
 Applications: Household chemicals
 Industrial chemicals
 Industrial parts
 Food packaging
 Personal care packages
 Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-HDPE-B5845-High-Density-Polyethylene-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in ³	ASTM D792
ESCR 100% Igepal®	>= 800 hour	>= 800 hour	ASTM D1693, Cond. B
ESCR 10% Igepal®	>= 300 hour	>= 300 hour	ASTM D1693, Cond. B
Melt Flow	0.45 g/10 min @Load 2.16 kg, Temperature 190 °C	0.45 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.3 MPa	4400 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Processing Temperature	182 - 204 °C	360 - 400 °F	Blow Molding Stock Temp.
Melt Temperature	193 - 216 °C	380 - 420 °F	Extrusion

Descriptive Properties	Value	Comments
Process	Blow Molding	
Region	US & Canada	Bamberger Polymers Distribution

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