

Global B-6200 High Density Polyethylene

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

Material Notes:

Description-suitable for high quality blow molding, provides excellent surface glossiness in combination w/ outstanding environmental stress cracking resistance
Applications-cosmetics bottles, shampoo bottles, detergent bottles, bleach bottles, lubricant containers, brake fluid containers
Information provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-B-6200-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.962 g/cc	0.0348 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	600 hour	600 hour	ASTM D1693
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Ultimate	34.3 MPa	4980 psi	ASTM D638
Tensile Strength, Yield	29.4 MPa	4270 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	Olsen Stiffness; ASTM D747
Izod Impact, Notched	1.18 J/cm	2.20 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	ASTM D2117
Vicat Softening Point	125 °C	257 °F	ASTM D1525

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