

Global B-8200 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Description-high molecular weight, excellent stress cracking resistance, excellent impact strength to blow mold Applications-large drums, gasoline tanks, agricultural chemical tanks Information provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-B-8200-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	1000 hour	1000 hour	ASTM D1693
Melt Flow	0.025 g/10 min @Load 2.16 kg, Temperature 190 °C	0.025 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength, Ultimate	42.2 MPa	6120 psi	ASTM D638
Tensile Strength, Yield	34.3 MPa	4980 psi	ASTM D638
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	0.981 GPa	142 ksi	Olsen Stiffness; ASTM D747
Izod Impact, Notched	4.90 J/cm	9.18 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	268 °F	ASTM D2117
Vicat Softening Point	124 °C	255 °F	ASTM D1525

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