

Global F-8000 High Density Polyethylene

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

Material Notes:

Description-good mechanical strengthApplications-blown wide film applications producing liner film & industrial filmInformation provided by Global Polymers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Global-F-8000-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	600 hour	600 hour	ASTM D1693
Melt Flow	0.030 g/10 min @Load 2.16 kg, Temperature 190 °C	0.030 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	38.2 MPa	5550 psi	ASTM D638
Tensile Strength, Yield	22.6 MPa	3270 psi	ASTM D638
Elongation at Break	700 %	700 %	ASTM D638
Flexural Modulus	0.735 GPa	107 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	125 °C	257 °F	ASTM D1525

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