

SCG Chemicals EL-Leneâ„¢ H6240B High Density Polyethylene Blow Molding

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

Material Notes:

Key Characteristics: Good stiffness, Good environmental stress cracking resistance (ESCR), High compressive and impact strength, Good appearance, Odorless, Safe for food contact, Good printability. Recommended Applications: Bottles for food, juice, soft drink, milk, detergent, cosmetics products, lube oil, brake fluid, chemicals. Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-H6240B-High-Density-Polyethylene-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.962 g/cc	0.962 g/cc	ASTM D1505
Environmental Stress Crack Resistance	60 hour @Temperature 50.0 Â°C	60 hour @Temperature 122 Â°F	F50, 25% Igepal; ASTM D1693
Melt Flow	0.45 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.45 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	29.0 MPa	4210 psi	ASTM D638
Tensile Strength, Yield	36.3 MPa	5260 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Flexural Modulus	1.37 GPa	199 ksi	ASTM D790
Izod Impact, Notched	1.96 J/cm @Temperature 23.0 Â°C	3.67 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	132 Â°C	270 Â°F	ASTM D2117
Vicat Softening Point	126 Â°C	259 Â°F	ASTM D1525
Brittleness Temperature	<= -62.0 Â°C	<= -79.6 Â°F	ASTM D746

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