

SCG Chemicals EL-Lene™ H6140B High Density Polyethylene Blow Molding

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

Material Notes:

Key Characteristics: Good processability, High stiffness, Good environmental stress cracking resistance (ESCR), High compressive and impact strength, Excellent 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-H6140B-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	100 hour @Temperature 50.0 °C	100 hour @Temperature 122 °F	F50, 25% Igepal; 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	66	66	ASTM D2240
Tensile Strength at Break	29.0 MPa	4210 psi	ASTM D638
Tensile Strength, Yield	34.3 MPa	4980 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Flexural Modulus	1.27 GPa	185 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm @Temperature 23.0 °C	1.84 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	ASTM D2117
Vicat Softening Point	128 °C	262 °F	ASTM D1525
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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