

SCG Chemicals EL-Leneâ,,ç H6670B High Density Polyethylene Film

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

Material Notes:

Key Characteristics: High flow, Excellent processability, High stiffness, Odorless, Safe for food contact, Good printability, Recommended

Applications: Bottles for drinking water, fruit juice, soft drink, milk. Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-H6670B-High-Density-Polyethylene-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.966 g/cc	0.966 g/cc	ASTM D1505
Environmental Stress Crack Resistance	24 hour @Temperature 50.0 Å°C	24 hour @Temperature 122 Å°F	F50, 25% Igepal; ASTM D1693
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 Å°C	0.70 g/10 min @Load 4.76 lb, Temperature 374 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength at Break	31.0 MPa	4500 psi	ASTM D638
Tensile Strength, Yield	31.4 MPa	4550 psi	ASTM D638
Elongation at Break	1200 %	1200 %	ASTM D638
Flexural Modulus	1.47 GPa	213 ksi	ASTM D790
Izod Impact, Notched	1.47 J/cm @Temperature 23.0 Å°C	2.76 ft-lb/in @Temperature 73.4 Å°F	ASTM D256

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

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