

SCG Chemicals EL-Leneâ,,ç H570P High Density Polyethylene Pipe Resin

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

Material Notes:

Key Characteristics: High stiffness, good processing
 Recommended Applications: Corrugated pipes, non pressure pipes, conduit, sewage drainage pipes
 Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-H570P-High-Density-Polyethylene-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.961 g/cc	0.961 g/cc	ISO 1183
Environmental Stress Crack Resistance	100 hour	100 hour	F0; ASTM D1693
Oxidative Induction Time (OIT)	>= 20 min	>= 20 min	ISO/TR10837
	@Temperature 200 Â°C	@Temperature 392 Â°F	
Melt Flow	3.8 g/10 min @Load 5.00 kg, Temperature 190 Â°C	3.8 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength at Break	34.0 MPa	4930 psi	Crosshead speed 100 mm/min; ISO 527
Tensile Strength, Yield	28.0 MPa	4060 psi	Crosshead speed 100 mm/min; ISO 527
Elongation at Break	>= 900 %	>= 900 %	Crosshead speed 100 mm/min; ISO 527
Flexural Modulus	1.30 GPa	189 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.588 J/cm	1.10 ft-lb/in	ASTM D256
	@Temperature 0.000 Â°C	@Temperature 32.0 Â°F	
	0.785 J/cm	1.47 ft-lb/in	ASTM D256
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -60.0 Â°C	<= -76.0 Â°F	ASTM D746

Descriptive Properties	Value	Comments
Color	Natural	

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