

SCG Chemicals EL-Leneâ,,ç H5211P High Density Polyethylene Pipe Resin

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

Material Notes:

Key Characteristics: Good processing, high thermal stability
 Recommended Applications: Water 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-H5211P-High-Density-Polyethylene-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 10000 hour	>= 10000 hour	F0; ASTM D1693
Oxidative Induction Time (OIT)	>= 40 min @Temperature 200 Â°C	>= 40 min @Temperature 392 Â°F	ISO/TR10837
Melt Flow	0.44 g/10 min @Load 5.00 kg, Temperature 190 Â°C	0.44 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ASTM D2240
Tensile Strength at Break	34.0 MPa	4930 psi	Crosshead speed 100 mm/min; ISO 527
Tensile Strength, Yield	22.0 MPa	3190 psi	Crosshead speed 100 mm/min; ISO 527
Elongation at Break	815 %	815 %	Crosshead speed 100 mm/min; ISO 527
Flexural Modulus	0.960 GPa	139 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm @Temperature -20.0 Â°C	1.84 ft-lb/in @Temperature -4.00 Â°F	ASTM D256
	1.86 J/cm @Temperature 0.000 Â°C	3.49 ft-lb/in @Temperature 32.0 Â°F	ASTM D256
	2.26 J/cm @Temperature 23.0 Â°C	4.22 ft-lb/in @Temperature 73.4 Â°F	ASTM D256
Hydrostatic Design Basis	8.00 MPa	1160 psi	MRS Classified; ISO 9080

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

Descriptive Properties	Value	Comments
Color	Natural	

Contact Songhan Plastic Technology Co.,Ltd.

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