

SCG Chemicals EL-Leneâ„¸ H1000PYL 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, good resistance to weathering
 Recommended Applications: Stripe lines for PE100 pipe, non pressure pipes
 Certification: Certified by LNE
 Information provided by SCG Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Lene-H1000PYL-High-Density-Polyethylene-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.951 g/cc	0.951 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 10000 hour	>= 10000 hour	F0; ASTM D1693
Oxidative Induction Time (OIT)	>= 70 min @Temperature 200 Å°C	>= 70 min @Temperature 392 Å°F	ISO/TR10837
Melt Flow	0.28 g/10 min @Load 5.00 kg, Temperature 190 Å°C	0.28 g/10 min @Load 11.0 lb, Temperature 374 Å°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength at Break	36.0 MPa	5220 psi	Crosshead speed 100 mm/min; ISO 527
Tensile Strength, Yield	23.0 MPa	3340 psi	Crosshead speed 100 mm/min; ISO 527
Elongation at Break	850 %	850 %	Crosshead speed 100 mm/min; ISO 527
Flexural Modulus	0.900 GPa	131 ksi	ASTM D790
Izod Impact, Notched	1.96 J/cm @Temperature -20.0 Å°C	3.67 ft-lb/in @Temperature -4.00 Å°F	ASTM D256
	2.65 J/cm @Temperature 0.000 Å°C	4.96 ft-lb/in @Temperature 32.0 Å°F	ASTM D256
	3.04 J/cm @Temperature 23.0 Å°C	5.69 ft-lb/in @Temperature 73.4 Å°F	ASTM D256

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

Descriptive Properties	Value	Comments
Carbon Black/Pigment Dispersion (grade)	<3	ISO 18553
Color	Yellow	

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