

## LG Chemical SEETEC PH162 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

### Material Notes:

Features: Characteristics : Good balance of toughness & stiffness stressAdditives : Anti-Oxidants, LubricantsProcessing recommendations : Maintain the stock temperature 200-230Â°C (392-446Â°C) for optimum part qualityApplication: Utilized electrical conduit, corrugated pipeCAS No. 25213-02-9Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-SEETEC-PH162-HDPE.php](http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-PH162-HDPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.955 - 0.958 g/cc	0.955 - 0.958 g/cc	ASTM D1505
Environmental Stress Crack Resistance	>= 200 hour	>= 200 hour	F50; ASTM D1693
Melt Flow	0.12 - 0.18 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.12 - 0.18 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	55	55	ASTM D785
Tensile Strength at Break	35.0 MPa	5080 psi	50mm/min; ASTM D638
Tensile Strength, Yield	26.5 MPa	3840 psi	50 mm/min; ASTM D638
Elongation at Break	>= 800 % @Thickness 50.0 mm	>= 800 % @Thickness 1.97 in	ASTM D638
Flexural Modulus	1.27 GPa	185 ksi	ASTM D790
Izod Impact, Notched	>= 1.96 J/cm @Temperature 23.0 Â°C	>= 3.67 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	132 Â°C	270 Â°F	10Â°C/min; ASTM D3418
Vicat Softening Point	123 Â°C	253 Â°F	ASTM D1525

## Contact Songhan Plastic Technology Co.,Ltd.

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