

LG Chemical SEETEC PH150 HDPE Blown Film Grade

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

Material Notes:

Features: Characteristics : Excellent weather resistance & Environmental stress cracking resistance Additives : Anti-Oxidants, Lubricants Processing recommendations : Maintain the stock temperature 200-230Â°C (392-446Â°C) for optimum part quality Application: Pressure pipes for water and drainage (Base resin) Specification Data 1) Cell Class (ASTM D 1248) : Type ?, Class A, Category 5, Grade P342) Cell Class (ASTM D 3350) : 34544(ESCR:>600hr)4 A or 34546(PENT:>100hr)4 A3) PPI Recommended Designation : PE34084) ISO Classification : Grade PE80 CAS No. 25213-02-9 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-PH150-HDPE-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.942 - 0.945 g/cc	0.942 - 0.945 g/cc	ASTM D1505
Environmental Stress Crack Resistance	>= 1500 hour	>= 1500 hour	F50; ASTM D1693
Melt Flow	0.10 - 0.15 g/10 min @Load 2.16 kg, Temperature 190 Â°C	0.10 - 0.15 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	54	54	ASTM D785
Tensile Strength at Break	35.0 MPa	5080 psi	50mm/min; ASTM D638
Tensile Strength, Yield	21.6 MPa	3130 psi	50 mm/min; ASTM D638
Elongation at Break	>= 800 % @Thickness 50.0 mm	>= 800 % @Thickness 1.97 in	ASTM D638
Flexural Modulus	0.883 GPa	128 ksi	ASTM D790
Izod Impact, Unnotched	>= 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	128 Â°C	262 Â°F	10Â°C/min; ASTM D3418
Vicat Softening Point	123 Â°C	253 Â°F	ASTM D1525

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