

SEETEC HDPE PH150

High Density Polyethylene
LG Chem Ltd.

Message:

Application
Pressure pipes for water and drainage(Base resin)
Feature
Characteristics : Excellent weather resistance & Environmental stress cracking resistance
Additives : Anti-Oxidants, Lubricants

General Information			
Additive	Antioxidant		
	Lubricant		
Features	Good Weather Resistance		
	High ESCR (Stress Crack Resist.)		
Uses	Piping		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5, Grade P34		
	ASTM D 3350 PE345464A		
	ISO 9080 PE 80		
	PPI PE-3408		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.943	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.13	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 1500	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	22.0	MPa	
Break	34.0	MPa	
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus	880	MPa	ASTM D790
Hydrostatic Design Basis			ASTM D2837
23°C	11.0	MPa	
60°C	5.52	MPa	
Impact	Nominal Value	Unit	Test Method

Unnotched Izod Impact	> 200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525
Peak Melting Temperature ²	128	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 230	°C	
NOTE			
1.	Condition: 23°C		
2.	Condition: 10°C/min		

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