

SEETEC HDPE PH162

High Density Polyethylene

LG Chem Ltd.

Message:

Application

Utilized electrical conduit, corrugated pipe

Feature

Characteristics : Good balance of toughness & stiffness stress

Additives : Anti-Oxidants, Lubricants

Processing recommendations : Maintain the stock temperature 200~230°C(392~446°F) for optimum part quality

General Information			
Additive	Antioxidant		
	Lubricant		
Features	Good Stiffness		
	Good Toughness		
Uses	Corrugated Pipe		
	Electrical/Electronic Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.15	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 200	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	27.0	MPa	
Break	35.0	MPa	
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
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	132	°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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