

Lutene® H XL1800

High Density Polyethylene

LG Chem Ltd.

Message:

LUTENE-H XL1800 is a optimum material for under-floor heating and drinking water Pipe by RAM type extrusion. It is a excellent product with long-term internal pressure creep property and crosslinking property, mechanical properties.

General Information			
Uses	Piping system		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	8760	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield ¹	2.45	MPa	ASTM D638
Fracture	3.43	MPa	ASTM D638
Tensile Elongation ² (Break)	> 800	%	ASTM D638
Flexural Modulus ³	981	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ASTM D1525 ⁴
Melting Temperature	133	°C	DSC
Additional Information			
Molecular Weight Distribution, LG Method, GPC: Narrow			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.8 mm/min		
4.	压 力1 (10N)		

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Recommended distributors for this material

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