



LUTENE-H XL1800

High Density Polyethylene

Applications

- Peroxide Crosslinked Pipes for Under-floor Heating and Drinking-water

Description

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

Typical properties

Characteristics	Test Method	Unit	Value
Physical⁽¹⁾			
MFR(190 °C, 21.6Kg)	ASTM D1238	g/10min	2(HLMI)
Density	D1505	g/cm ³	0.950
Mechanical⁽²⁾			
Tensile Strength at Yield	D638	Mpa	25
Tensile Strength at Break	D638	Mpa	35
Elongation at Break	D638	%	> 800
Hardness (Shore D)	D2240	-	57
Flexural Modulus	D790	Mpa	1000
Izod Impact Strength	D256	J/m	Non Break
ESCR(F50)	D1693	hr	>8,760
Thermal			
Melting Temperature	LG Method	°C	133
Vicat Softening Point	D1525	°C	124

(1) The properties data in this table are typical values, and not guaranteed specification.

(2) Typical resin property values are measured on a standard compression molded specimens

Processing information

- **Equipment** : RAM type Extruder (PE-Xa)
- **Temperature** :
 - Cross-head : 110 ~ 130 °C
 - Adapter : 150 ~ 170 °C
 - Die : 240 ~ 260 °C
 - Mandrel : 180 ~ 220 °C

For additional sales, order and technical assistance

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