

High Density Polyethylene
Lotte Chemical Corporation

Product Description

General

Search for UL Yellow Card • Lotte Chemical Corporation

Availability	• Asia Pacific • Asia Pacific	• Europe • Europe	• North America • North America
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Features	• Good Processability • High ESCR (Stress Crack Resist.)
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Uses	• Piping
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Agency Ratings • PPI PE-100

Physical	Nominal Value Unit	Test Method
Density	0.949 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	21.6 MPa	ASTM D638
Tensile Elongation (Break)	> 700 %	ASTM D638
Flexural Modulus	883 MPa	ASTM D790
Hydrostatic Pressure Test		ISO 1167
12.4 MPa: 20°C	> 200	
5.0 MPa: 80°C	> 5000	
5.5 MPa: 80°C	> 1000	
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	No Break	ASTM D256
Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	57	ASTM D785
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	126 °C	ASTM D1525
Oxidation Induction Time (200°C)	> 30 min	ISO 10837

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.