

High Density Polyethylene
Lotte Chemical Corporation

Product Description

Excellent high-speed molding
Oxidation Stability

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Corporation		
Availability	• Asia Pacific • Asia Pacific	• Europe • Europe	• North America • North America
Features	• Fast Molding Cycle	• Oxidation Resistant	
RoHS Compliance	• RoHS Compliant		

Physical	Nominal Value Unit	Test Method
Density	0.948 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance F10	> 2000 hr	ASTM D1693
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	25.5 MPa	ASTM D638
Tensile Elongation (Break)	> 800 %	ASTM D638
Thermal	Nominal Value Unit	Test Method
Oxidation Induction Time (200°C)	> 50 min	ISO 10837
Electrical	Nominal Value Unit	Test Method
Volume Resistivity	> 1.0E+17 ohm·cm	ASTM D257
Dielectric Strength	20 kV/mm	ASTM D149
Dielectric Constant	2.30	ASTM D150
Dissipation Factor	0.00010	ASTM D150

Notes

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.