

High Density Polyethylene
Lotte Chemical Corporation

Product Description

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
Additive	• Antioxidant		
Features	• Antioxidant	• High Melt Stability	• High Strength
Uses	• BCF Yarn • Monofilaments	• Netting • Rope	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Fiber (Spinning) Extrusion		

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	31.4 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	ASTM D638
Flexural Modulus	981 MPa	ASTM D790

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	50	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed	74.0 °C	ASTM D648
Vicat Softening Temperature	125 °C	ASTM D1525

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.