

HIVOREX 7000F

High Density Polyethylene

Lotte Chemical Corporation

Technical Data

Product Description

7000F is manufactured to be processed in conventional blown film equipment by CSTR Slurry process technology. Thanks to Bi-modal design of molecular composition, 7000F offer both excellent processability and superior mechanical properties.

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	• Bimodal Molecular Weight Distribution	• Good Processability
Uses	• Bags	• Film	• Packaging
RoHS Compliance	• RoHS Compliant		
Processing Method	• Blown Film		

Physical	Nominal Value Unit	Test Method
Density	0.956 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.035 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance F50	> 1000 hr	ASTM D1693

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Break)	31.4 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	ASTM D638
Flexural Modulus	1180 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	No Break	ASTM D256

Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	124 °C	ASTM D1525

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.