

HIVOREX 7000FM

High Density Polyethylene

Lotte Chemical Corporation

Technical Data

Product Description

7000FM is manufactured to be processed in conventional blown film equipment by CSTR Slurry process technology . Thanks to Bi-modal design of molecular composition, 7000FM offer both excellent processability, high tear strength, bubble stability and superior resistance weatherability.

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	• UV Stabilizer	
Features	• Bimodal Molecular Weight Distribution • Good Processability	• Good Processing Stability • Good Tear Strength	• Good Weather Resistance
Uses	• Agricultural Applications	• Film	
Processing Method	• Blown Film		

Physical	Nominal Value Unit	Test Method
Density	0.956 g/cm³	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.