

HIVOREX FL7000

High Density Polyethylene

Lotte Chemical Corporation

Message:

FL7000 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 Information			
Additive	Antioxidant		
Features	Antioxidant		
	Bimodal Molecular Weight Distribution		
	Good Processability		
Uses	Bags		
	Film		
	Industrial Applications		
	Packaging		
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	981	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

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