

# HIVOREX 7000FM

High Density Polyethylene  
Lotte Chemical Corporation

Message:

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 Information			
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/cm <sup>3</sup>	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

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