

# HIVOREX FL7100

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, 7100 offers both excellent processability and superior mechanical properties.

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Workability, good		
	Bimodal molecular weight distribution		
Uses	Packaging		
	Films		
	Bags		
	Industrial application		
Processing Method	Blow 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)	0.045	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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