



LOTTE CHEMICAL

FL7100

HIGH DENSITY POLYETHYLENE

General Information

Description

- ◆ FL7100 is manufactured to be processed in conventional blown film equipment by CSTR Slurry process technology.
- ◆ Thanks to Bi-modal design of molecular composition, FL7100 offers both excellent processability and superior mechanical properties.

Additives

- ◆ Antioxidant

Applications

- ◆ Shopping Bag, Garbage Bag
- ◆ Industrial/ General Packing Film

Physical Properties¹

Properties	Test Method	Nominal Value	
Melt Index, at 190°C/2.16kg	ASTM D 1238	0.045	g/10min
Density	ASTM D 1505	0.956	g/cm ³
Tensile Strength at Break	ASTM D 638	320	kg/cm ² 31.4 MPa
Elongation at Break	ASTM D 638	> 500	%
Flexural Modulus	ASTM D 790	10,000	kg/cm ²
IZOD Impact Strength, at 23°C	ASTM D 256	NB	kg·cm/cm
VICAT Softening Point	ASTM D 1525	124	°C
ESCR	ASTM D 1693	> 1,000	F50 Hours

Note

ISO 9001, 14001, /TS 16949

¹ Physical Properties : these are not to be construed as specifications