

## FL7000

## High Density Polyethylene

### Description

FL7000 – is manufactured to be processed in conventional blown film equipment by CSTR Slurry technology.

Thanks to Bi-modal design of molecular composition, FL7000 offers both excellent processability and superior mechanical properties.

### Application

Shopping bag, Garbage Bag. (Industrial/General Packing film)

Properties			
Physical	Testing methods	Nominal values	
Density	ASTM D 1505	g/cm <sup>3</sup>	0.954-0.957
Melt Flow Rate	ASTM D 1238	g/10min	0.027-0.047
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm <sup>2</sup>	210
Tensile Strength at Break (min.)	ASTM D 638	kg/cm <sup>2</sup>	300
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm <sup>2</sup>	10,000
Impact			
Izod Impact Strength (23 <sup>0</sup> C) (min.)	ASTM D256	kg cm/cm	20
Thermal			
Vicat Softening Point (min.)	ASTM D1525	°C	120
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	50
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	>1000