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^3	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^2	210
Tensile Strength at Break (min.)	ASTM D 638	kg/cm^2	300
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D790	kg/cm^2	10,000
Impact			
Izod Impact Strength (23^0C) (min.)	ASTM D256	kg cm/cm	20
Thermal			
Vicat Softening Point (min.)	ASTM D1525	^{0}C	120
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	50
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	>1000

Note: Above data is based on information provided by Licensor and it is not to be construed as specification.