

Polyethylene FL7000

Chemical name: Polythene

CAS number: 9002-88-4

HS Code: 39012090

Packaging details: bags

About product:

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

Properties			
Physical	Testing Methods	Nominal values	
Density	ASTM D 1505	g/cm ³	0,954- 0,957
Melt Flow Rate		g/10min	0,027- 0,047
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm ²	230
Tensile Strength at Break (min.)	ASTM D 638	kg/cm ²	-
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D 790	kg/cm ²	10000
Impact			
Izod Impact Strength (23°C) (min.)	ASTM D 256	kg cm/cm	29
Thermal			
Vicat Softening Point (min.)	ASTM D 1525	C	124
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	54
Environmental Stress Cracking Resistance (F50) (min.)	ASTM D1693	hr	>1000

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