UZ-KOR GAS CHEMICAL

MF5000 High Density Polyethylene

Description

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MF5000 is manufactured to be processed in flat yarn for tarpaulin by CSTR Slurry process technology. MF5000 is ideally suited for use in monofilament application. MF5000 offers good stretching, spinning, high strength property and melting stability.

Application

Monofilament for Rope and Net, etc.

Properties			
Physical	**Testing methods**	**Nominal values**	
Density	ASTM D 1505	g/cm^3	0,951-0,956
Melt Flow Rate	ASTM D 1238	g/10min	0,8-1,1
Mechanical			
Tensile Strength at Yield (min.)	ASTM D 638	kg/cm^2	210
Tensile Strength at Break (min.)	ASTM D 638	kg/cm^2	NB
Elongation at Break (min.)	ASTM D 638	%	500
Flexural Modulus (min.)	ASTM D 790	kg/cm^2	9000
Impact			
Izod Impact Strength (23^0C) (min.)	ASTM D 256	kg cm/cm	20
Thermal			
Vicat Softening Point (min.)	ASTM D 1525	^{0}C	125
Heat distortion temperature (4.6 kg/cm2) (min.)	ASTM D648	^{0}C	56
Additional properties			
Rockwell Hardness (min.)	ASTM D785	R	48

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