

## MF5000

## HIGH DENSITY POLYETHYLENE

### General Information

#### Description

- ◆ 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.

#### Additives

- ◆ Antioxidant

#### Applications

- ◆ Monofilament for Rope and Net, etc.

### Physical Properties<sup>1</sup>

Properties	Test Method	Nominal Value	
Melt Index, at 190 °C/2.16kg	ASTM D 1238	0.95	g/10min
Density	ASTM D 1505	0.954	g/cm <sup>3</sup>
Tensile Strength at Break	ASTM D 638	320	kg/cm <sup>2</sup> 31.4 MPa
Elongation at Break	ASTM D 638	> 500	%
Flexural Modulus	ASTM D 790	10,000	kg/cm <sup>2</sup>
Rockwell Hardness	ASTM D 785	50	R
IZOD Impact Strength, at 23 °C	ASTM D 256	20	kg·cm/cm
VICAT Softening Point	ASTM D 1525	124	°C
Heat Distortion Temp	ASTM D 648	74	°C

#### Note

ISO 9001, 14001, /TS 16949

<sup>1</sup> Physical Properties : these are not to be construed as specifications

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