



Grade	MF5000
Product	HDPE

General Information

Key Features	MF5000 offers good stretching, spinning, high strength property and melting stability
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Applications	Monofilament for Rope and Net, etc. Flat yarn, stretched tape
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Item	Measuring Method	Unit	Value
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Physical

Melt Flow Index	ASTM D1238	g/10min	0.95
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Density	ASTM D1505	g/cm ³	0.954
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Mechanical

Tensile Stress (Yield)	ASTM D638	kgf/cm ²	250
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Tensile Strain (Break)	ASTM D638	%	≥500
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Flexural Modulus	ASTM D790	kgf/cm ²	10,000
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Rockwell Hardness	ASTM D785	R	50
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Impact

Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	20
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Thermal

VICAT Softening Temperature	ASTM D1525	°C	125
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1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

* The last update date : 2021/10/01