

<b>Grade</b>	5000S
<b>Product</b>	HDPE

### General Information

**Key Features** 5000 offers good stretching, spinning, high strength property and melting stability

**Applications** Monofilament for Rope and Net, etc.  
Flat yarn, stretched tape

Item	Measuring Method	Unit	Value
<b>Physical</b>			
Melt Flow Index	ASTM D1238	g/10min	0.95
Density	ASTM D1505	g/cm <sup>3</sup>	0.954
<b>Mechanical</b>			
Tensile Stress (Yield)	ASTM D638	kgf/cm <sup>2</sup>	250
Tensile Strain (Break)	ASTM D638	%	≥500
Flexural Modulus	ASTM D790	kgf/cm <sup>2</sup>	10000
Rockwell Hardness	ASTM D785	R	50
<b>Impact</b>			
Izod Impact Strength(notched) (23°C)	ASTM D256	kgf·cm/cm	20
<b>Thermal</b>			
VICAT Softening Temperature	ASTM D1525	°C	125

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

\* The last update date : 2021/10/01