

## High Density Polyethylene HD 5000S Technical Datasheet

### Product Description:

HD 5000S is a HDPE grade specially designed for monofilament applications, which combines good processability with high tenacity. This grade has good balance of chemical strength and high production rates. HD 5000S is also well suited for multiply applications, like ropes and stretches filaments.

### Typical Data:

Resin Properties	Test method	Unit	value
Density	D 1505	g/cm <sup>3</sup>	0.954
Melt Index	D 1238	g/10 min	0.8
<b>Thermal Properties</b>			
Viscat Softening Point	D 1525	°C	125
<b>Molded Properties</b>			
Flectural Modulus	D 790	Mpa	1100
Tensile Strength at Yield	D 790	Mpa	24
Tensile Strength at Break	D 638	Mpa	39
H.D.T	D 648	°C	75
Notched Izod Impact @23 °C	D256/A	J/m	400

On compression molded according to ASTM D1928C.

### Processing Conditions

Recommended barrel temperatures range is between 160 °C


### Applications:

Fishing net, rope agricultural net, tarpaulin, woven sack.



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