

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/cm3	0.954	
Melt Index	D 1238	g/10 min	0.8	

Thermal Properties			
Viscat Softening Point	D 1525	ōС	125
Molded Properties			
Flectural Modulus	D 790	Мра	1100
Tensile Strength at Yield	D 790	Мра	24
Tensile Strength at Break	D 638	Мра	39
H.D.T	D 648	ōC	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:**

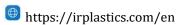
Fishing net, rope agricultural net, tarpaulin, woven sack.







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