HD5000S

PRODUCT DATA SHEET

HD5000S is a HDPE grade specially designed for monofilament applications, which combines good prcessability with high tenacity. This grade has good balance of mechanical strength and high production rates. HD5000S is also well suited for multiply applications, like ropes and stretched filaments.

HD5000S

Characteristic Properties

- Good processability with high tenacity
- Good balance of mechanical strength and high production rates

Density: 0.950 - 0.956

Main Applications

- Fishing net, Rope
- Agricultural net, Tarpaulin
- Woven sacks

MFI: 0.7 - 0.9

Additives

- Antioxidants/Acid scavenger
- Processing aid

Material properties (This data are typical values and are not to be construed as product specifications.)

Resin Properties	Unit	Typical Value	Test Method
Melt Index (°190C/ 2.16Kg)	g/10 min	0.8	D1238
Density	g/cm^3	0.923	D1505
Thermal Properties			
Vicat Softening Point	°C	130	D1525
Molded Properties			
Flectural Modulus	MPa	1100	D790
Tensile Strength at Yield	MPa	28	D790
Tensile Strength at Break	MPa	14	D638
H.D.T	°C	77	D648
Notched Izod Impact @ 23 °C	J/m	230	D256/A
Processing Conditions, Recommended barrel tempratures range is between 200 °C and °260C			
Properties on compression molded specimen obtained according to ASTM D 1928 C			





