

HD5000S

HDPE for

HD5000S is a HDPE grade specially designed for monofilament applications, which combines good processability 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.

HDPE: 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

Density: 0.950 - 0.956

Additives

Antioxidants/Acid scavenger

Processing aid

Resin Properties	UNIT	Typical Value	Test Method
Melt Index (190°C/ 2.16Kg)	g/10 min	0.8	D1238
Density	g/ml	0.953	D1505
Thermal properties			
Vicat Softening Point	°C	125	D1525
Molded Properties			
Flexural Modulus	MPa	1110	D790
Tensile Strength at Yield	MPa	24	D790
Tensile Strength at Break	Mpa	39	D638
H.D.T	°C	75	D648
Notched Izod Impact @ 23 °C	J/m	400	D256/A
Recommended barrel tempratures range is between 200 °C and 260°C			