

## Product Data Sheet

HD5000S

High Density Polyethylene

### 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 mechanical strength and high production rates. HD-5000S is also well suited for multiply applications, like ropes and stretched filaments.

### Applications:

- Fishing net, Rope, Agricultural net, Tarpaulin, Woven sack.

### Additives

Antioxidants/Acid scavenger

Antiblock/Processing aid

### Characteristic Properties

good processability with high tenacity, good balance of mechanical strength and high production rates

Resin Properties	Unit	Value	Test Method
Melt Index	g/10 min	0.8	D1238
Density	g/cm <sup>3</sup>	0.954	D1505
Thermal Properties	Unit	Value	Test Method
Vicat Softening Point	°C	125	D1525
Molded Properties	Unit	Value	Test Method
Flectural Modulus	Mpa	1100	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

### Packaging

Jam Polymers Polyolefin resins are supplied in Pellet form packed in 25kg bags. Alternative packaging modes are available for selected grades.