

Product data sheet

HDPE for Monofilament

HD5000S

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.

Jamlene: HD5000S

Density: 0.954 ± 1

MFI: 0.8 ± 0.1

Characteristic Properties

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

Typical Applications

• Fishing net, Rope, Agricultural net, Tar-paulin, Woven sack.

Additives

Antioxidants/ Acid scavenger
Antiblock/Processing aid

Resin Properties	Unit	Value	Test Method
Melt Index	g/10 min	0.8	D1238
Density	g/cm ³	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

- On compression molded according to ASTM D1928C

Processing Conditions

Recommended barrel tempratures range is between 160 °C and 190 °C