

Jamlene HD-5000S

HDPE for Monofilament



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Rev. 00

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.

Typical Application

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

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 Strenght at Yield	Mpa	24	D790
Tensile Strenght 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