

# Jamlene HD-5000S

HDPE for Monofilament



**JAM**  
Petrochemical  
Complex

## 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.

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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 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 temperatures range is between 160 °C and 190 °C