



SHOBEIR SHIMI
WWW.SHOBEIRSHIMI.COM
info@shobeirshimi.com

JAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HD5000S

HD5000S is a high-density polyethylene (HDPE) grade specifically designed for monofilament applications, offering excellent processability and high tenacity. It is ideal for producing fishing nets, ropes, agricultural nets, tarpaulins, and woven sacks.

Producer	Characteristic Properties	Applications
JAM	high tensile strength, flexibility, and resistance to impact	Commonly used for monofilament production, agricultural nets, tarpaulins, and woven sacks

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Density	g/cm ³	0.954	D1238
Melt Index	g/10min	0.8	D1505
Vicat Softening Point	°C	125	D1525
Flexural 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