

DATE: 2024-2025

Arena Code: AS1010/JPC-HDPE 5000S

Producer and Supplier in the fields of Chemical, Oil, Gas and Petrochemical industries

## **Technical Data Sheet**

## **HD 5000S**

High Density Polyethylene

HD-5000S is a HDPE grade Specially desined 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.

## **Application:**

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

Properties	Value	Unit	Test Method
Melt Index	0.8	G/10 min	D1238
Density	0.954	g/cm3	D1505
Vicat Softening Point	125	°C	D1525
Flectural Modulus	1100	Mpa	D790
Tensile Strenght at yield	24	Mpa	D790
Tensile Strenght at Break	39	Mpa	D638
H.D.T	75	°C	A648
Notched izod impact @ 23°C	400	J/m	D256/A



Head Office:

Head Office: Unit 1011, 10th Floor, Kian Center 2 , Janbaz Blvd, Mashhad, Iran

Postal Code: 9197810030 Tell:+98-51-3883 9090

Fax:+98-51-3883 9010 Mobile: +98 915 005 1050 Website: www.arena-petrogas.com E-mail: info@arena-petrogas.com

