

TECHNICAL DATA SHEET

HD T10S

HD T10S is a HDPE monofilament grade produced by Spherilene Technology.

This grade can be used in monofilament for Nets, Twines & Ropes.

HD T10S is characterized by excellent processability and mechanical strength.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	1.1
Density (23°C)	ASTM D 1505	g/cm ³	0.950
Physical Property			
Tensile Strength at Yield		MPa	21
Tensile Strength at Break	ASTM D 638 (50 mm/min)	MPa	38
Elongation at Break		%	>1000
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	400
Flexural Modulus	ASTM D 790A	MPa	1000
Hardness	ASTM D 2240	Shore D	61
DSC Melting Temperature	ASTM D 3418	°C	131
Suggested Processing Conditions			
Barrel Temperature		°C	200 – 240
Die Temperature		°C	230 – 250
Quench Temperature		°C	30
Stretching Temperature		°C	~ 98 (Water)

* Halene H is the registered trademark of High Density Polyethylene of HPL

Mechanical properties are on specimens from compression molded sheets

The information & data presented herein are typical values and should not be construed as specification. No warranty or guarantee expressed or implied is made regarding performance. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.

Compliance certificates and MSDS are available on request.
Visit us at www.haldiapetrochemicals.com