

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 D1238	g/10 min	1.1
Density (23°C)	ASTM D1505	g/cm ³	0.950
Physical Property			
Tensile Strength at Yield		MPa	26
Tensile Strength at Break	ASTM D638 (50 mm/min)	MPa	38
Elongation at Break		%	>1000
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	500
Flexural Modulus	ASTM D790A	MPa	1000
Hardness	ASTM D2240	Shore D	61
DSC Melting Temperature	ASTM D3418	°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

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