

TECHNICAL DATA SHEET

HD T10

HD T10 is a HDPE yarn / monofilament grade produced by Spherilene Technology.

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

HD T10 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	ASTM D 638 (50 mm/min)	MPa	21
Tensile Strength at Break		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	95 – 120

* 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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