

## TECHNICAL DATA SHEET

## HD T10

**HD T10** is a HDPE monofilament grade manufactured using the Spherilene Technology. This grade is characterized by excellent processability and mechanical strength.

**HD T10** can be used in monofilament for nets, twines & ropes.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190° C)	ASTM D 1238	g/10 min	1.1
Density (at 23°C)	ASTM D 1505	g/cm <sup>3</sup>	0.950
<b>Physical Property</b>			
Tensile Strength at Yield**		MPa	21
Tensile Strength at Break**	ASTM D 638	MPa	38
Elongation at Break**		%	>1000
Izod Impact Strength (Notched, 23 ° C)	ASTM D 256	J/m	400
Flexural Modulus	ASTM D 790	MPa	1000
Hardness	ASTM D 2240	Shore D	65
DSC Melting Temperature	ASTM D 2117	°C	131
<b>Suggested Processing Conditions</b>			
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

\*\* Tensile Properties are on Compression Molded Type IV Specimens as per ASTM D 638

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