

Product Texts

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

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

HD T10 is characterized by excellent processability and mechanical strength.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	1.1	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	26	MPa	ASTM D 638
Tensile Strength at Break	38	MPa	ASTM D 638
Elongation at Break	1100	%	ASTM D 638
Flexural Modulus	1000	MPa	ASTM D 790
Shore D Hardness	61	-	ASTM D 2240
Izod Impact notched, 1/8 in	400	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
Melting Temperature	133	°C	ASTM D 3418
Vicat Temperature	127	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	950	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Zone 1	200 - 240	°C	-
Nozzle temperature	230 - 250	°C	-

Characteristics

Processing

Other Extrusion

Regional Availability

Asia Pacific

Applications

Monofilament