

Halene H HD T10S

High Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

HD T10S is a HDPE monofilament grade produced by the Spherilene Technology.
This grade can be used in monofilament for Nets, Twines & Ropes.
HD T10S is characterized by excellent processability and mechanical strength.

General Information			
Features	Workability, good		
Uses	Twine monofilament Rope Web		
Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield, molding	21.0	MPa	ASTM D638
Fracture, molding	38.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	> 1000	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	131	°C	ASTM D3418
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	200 - 240	°C	
Cylinder Zone 2 Temp.	200 - 240	°C	
Cylinder Zone 3 Temp.	200 - 240	°C	
Cylinder Zone 4 Temp.	200 - 240	°C	
Cylinder Zone 5 Temp.	200 - 240	°C	
Die Temperature	230 - 250	°C	
Extrusion instructions			
Quench Temperature: 30°CStretching Temperature: 98°C (water)			

NOTE

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| 1. | Type 4 |
| 2. | Type 4 |

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