

Halene H HD T9

High Density Polyethylene
Haldia Petrochemicals Ltd.

Message:

HD T9 is a HDPE grade for stretched tape / raffia application produced by the Spherilene Technology.
This grade can be used for stretched tape/raffia for woven sacks and tarpaulin.
HD T9 is characterized by excellent processability and mechanical strength.

General Information			
Features	Workability, good		
	Good strength		
Uses	Strap		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	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, Compression Molded)	61		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²			ASTM D638
Yield, molding	21.0	MPa	ASTM D638
Fracture, molding	38.0	MPa	ASTM D638
Tensile Elongation ³ (Break, Compression Molded)	> 1000	%	ASTM D638
Flexural Modulus (Compression Molded)	1000	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	400	J/m	ASTM D256A
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°C

NOTE

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|----|-----------|
| 1. | 23°C |
| 2. | 50 mm/min |
| 3. | 50 mm/min |

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