

**Densetec HDPE Pipe Grade:
Typical Properties**

Property*	ASTM Test Method	Typical Values	
		English Units	Metric Units
Nominal Sheet Properties⁽¹⁾			
Density	D1505	58.9 lbs/ft ³	0.944 g/cc
Melt Flow Rate (HLMI), Condition 190 °C / 21.6 kg	D1238	---	11 g / 10 min
Polyethylene Classification	D4976	Group 2, Class 3, Grade 5	Group 2, Class 3, Grade 5
Polyethylene Plastic Pipe Classification	D3350	Meets Class 345464C & 345465C	Meets Class 345464C & 345465C
Polyethylene Plastic Pipe Classification	F412 & Plastic Pipe Institute	PE 3408	PE 3408
Potable Water Standards	NSF International	Meets Standards 14 & 61	Meets Standards 14 & 61
Tensile Strength @ Yield	D638	3,200 psi	22 MPa
Ultimate Elongation	D638	800%	800%
PENT Slow Crack Growth	F1473	> 100 hours	> 100 hours
Flexural Modulus	D790	140,000 psi	960 MPa
Brittleness Temperature	D746	< -103 °F	< -75 °C
Nominal Pipe Properties⁽²⁾			
Hydrostatic Design Basis, 73 °F (23 °C)	D2837	1600 psi	11 MPa
Hydrostatic Design Basis, 140 °F (60 °C)	D2837	800 psi	5.5 MPa
Minimum Strength Required	ISO 9080	1160 psi	8 MPa

⁽¹⁾The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

⁽²⁾The nominal pipe properties were determined on pipe extruded from the same resin as is used to make the sheet.