



## Densetec® HDPE Pipe Grade: Typical Properties

Property"	ASTMTTest Method	Typical Values	
		English Units	Metric Units
Nominal Sheet Properties <sup>11</sup>			
Density	D1505	59.2 lbs/ft <sup>3</sup>	0.955 glee
Melt Flow Rate (HLMI ), Condition 190 °c / 21.6 kg	D1238	---	8.0 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 445574	Meets Class 445574
Polyethylene Plastic Pipe Classification	F412 & Plastic Píoe Institute	PE 4710	PE 4710
Material Classification	D1248	Type III, Class C Catego♦ 5, Grade W /W9	Type III, Class C Catego♦ 5, Grade W /W9
Material Classification	D4801	Type III	Type III
Potable Water Standards	Resin meets NSF International	Meets Standards 14 & 61	Meets Standards 14 & 61
Tensile Strength @ Yield	D638	3,700 psi	22 MPa
Ultimate Elongation at Break	D638	700%	700%
PENT Slow Crack Growth	F1473	> 10,000 hours	> 10,000 hours
Flexural Modulus	D790	140,000 psi	965 MPa
Brittleness Temperature	D746	<-103 ° F	<75 ° C
Nominal Pipe Properties <sup>12</sup>			
Hydrostatic Design Basis, 73 °F (23 °C)	D2837	1600 psi	11 MPa
Hydrostatic Design Basis, 140 °F (60 °C)	D2837	1,000 psi	6.9 MPa
Minimum Strength Required	ISO 9080	1450 psi	10 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.