Product Data - HDPE PipeGrade

Properties	Units	ASTM	Nominal Values
Density	g/cc	D792	0.949
Tensile Strength @ Break	psi	D638	5,510
Tensile Strength @ Yield	psi	D638	3,630
Elongation @ Break	%	D638	600
Flexural Modulus 2% secant	psi	D790	150,000
Notched Izod Impact	ft.lbs./in.^{2}	D256	9.2
Brittleness Temp.	°C (°F)	D746	-118°C (-180°F)
Vicat Softening Temp.	°C (°F)	D1525	126°C (259°F)
Environmental Stress Crack Resistance	hrs	D1693C	>5,000
Notch Tensile (PENT)	hrs	F1473	>10,000

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should not be interpreted as specifications.

Listed by the Plastic Pipe Institute as a PE4710 material with Hydrostatic Design Basis of 1600 psi @ 73°F and 1000 psi @ 140°F.

HDPE PipeGrade meets ASTM D3350 cell class 445574C.

HDPE PipeGrade is made with materials that comply with NSF/ANSI Standard 14 to be used in potable water piping systems.

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