



PerformancePipe.com

YELLOWSTRIPE® 8300

HDPE PIPE DATA SHEET

Yellowstripe® 8300 Pipe meets or exceeds:

ASTM D2513
 ASTM D3350, cell classification PE445574C and PE445576C
 PPI TR-4 designation PE4710 (PE3408) and PE100

Yellowstripe® 8300 Pipe for:

Natural Gas Distribution, LPG and
 Propane Gas Distribution, Yard Gas
 Iron Pipe Size OD (IPS) ½" to 24",
 Copper Tube Size OD (CTS) ½" to 1 ¼"
 Coils available up through 6"

Outdoor Storage up to Ten (10) years per ASTM D2513

NOMINAL PIPE PROPERTIES ⁽¹⁾	UNIT	TEST METHOD	VALUE
Density	gms / cm ³	ASTM D1505	0.961 (black)
Melt Index (MI) Condition 190°C / 2.16 kg	gms / 10 minutes	ASTM D1238	0.08
Hydrostatic Design Basis 73° F (23° C)	psi	ASTM D2837	1600
Hydrostatic Design Basis 140° F (60° C)	psi	ASTM D2837	1000
Minimum Required Strength (MRS) @ 20°C (68°F)	Mpa (psi)	ISO 9080	>10 (>1450)
Rapid Crack Propagation Critical Pressure (Pc), 0°C (32°F) ⁽³⁾	Bar (psi)	ISO 13477	>12 bar (>174 psi)
Color: UV Stabilizer [C]	---	ASTM D3350	Min 2% Carbon Black
Pipe Test Category	---	ASTM D2513	CEE
NOMINAL MATERIAL PROPERTIES ^{(1) (2)}	UNIT	TEST METHOD	VALUE
Flexural Modulus @ 2% Strain	psi	ASTM D790	>150,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	>3500
Elongation at Break 2 in / min., Type IV Bar	%	ASTM D638	>800
Hardness	Shore D	ASTM D2240	65
PENT	hrs	ASTM F1473	>2000
Vicat Softening Temperature	°F	ASTM D1525	255
Brittleness Temperature	°F	ASTM D746	<-103
Thermal Expansion	in / in / °F	ASTM D696	1.0 x 10 ⁻⁴

1. This is not a product specification and does not guarantee or establish specific minimum or maximum values or manufacturing tolerance for material or piping products to be supplied.
2. Values obtained from tests of specimens taken from piping product may vary from these typical values.
3. Determination made using Small-Scale Steady state. Pc calculated in accordance with ISO 13477.

When Performance Matters Rely on
Performance Pipe

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