

YELLOWSTRIPE® 8300

BIMODAL HDPE PIPE DATA SHEET

Yellowstripe® 8300 Pipe meets or exceeds:

ASTM D2513
CAN/CSA-B137.4
UPC
ASTM D3350, cell classification PE445574C and PE445576C
PPI TR-4 designation PE4710 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	g / cm ³	ASTM D1505	0.961 (black)
Melt Index (HLMI) 190°C / 21.6 kg	g / 10 minutes	ASTM D1238	9.0
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 Full Scale, 0°C (32°F) ⁽³⁾	bar (psi)	ISO 13478	>45.7 (>663)
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	≥140,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	>3500
Elongation at Break 2 in / min., Type IV Bar	%	ASTM D638	>500
Hardness	Shore D	ASTM D2240	65
PENT	hrs	ASTM F1473	10,000
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

- 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.
- Values obtained from tests taken from actual piping product may vary from these typical values.
- Calculated value per correlation equation in ISO 4437 based on S4 test data on 10" IPS DR 11.
- Melt Index (MI) value determined in accordance with ASTM D3350 Cell Classification is <0.15 gm/10 min at 2.16kg.
- Melt Index (MI) value determined in accordance with ASTM D3350 Cell Classification is <0.15 gm/10 min at 2.16kg condition.

When Performance Matters Rely on
Performance Pipe