

# 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 <sup>(1)</sup>	UNIT	TEST METHOD	VALUE
Density	g / cm <sup>3</sup>	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) <sup>(3)</sup>	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 <sup>(1) (2)</sup>	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 <sup>-4</sup>

- 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*