PERFORMANCE PIPE
A Division of Chevron Phillips Chemical Company LP

PerformancePipe.com

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) 190ºC / 21.6 kg	g / 10 minutes	ASTM D1238	9.0
Hydrostatic Design Basis 73º F (23º C)	psi	ASTM D2837	1600
Hydrostatic Design Basis 140º F (60º C)	psi	ASTM D2837	1000
Minimum Required Strength (MRS) @ 20ºC (68ºF)	MPa (psi)	ISO 9080	10 (1450)
Rapid Crack Propagation Full Scale, 0ºC (32ºF)(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	ºF	ASTM D1525	255
Brittleness Temperature	ºF	ASTM D746	<-103
Thermal Expansion	in / in / ºF	ASTM D696	1.0×10^{-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 taken from actual piping product may vary from these typical values.
3. Calculated value per correlation equation in ISO 4437 based on S4 test data on 10" IPS DR 11.
4. Melt Index (MI) value determined in accordance with ASTM D3350 Cell Classification is <0.15 gm/10 min at 2.16kg.
5. 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

Bulletin: PP109 / Nov 2017

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