

DRISCOPIPE® 8100

HDPE PIPE and FITTINGS DATA SHEET

Driscopipe® 8100 Pipe and Fittings meet or exceed:

ASTM D2513, D2683, D3261
CAN/CSA-B137.4
UPC
ASTM D3350, cell classification PE445574C and PE445576C
PPI TR-4 designation PE4710 (PE3408) and PE100
PPI TN-30

Driscopipe® 8100 Pipe and Fittings for:

Natural Gas Distribution, LPG and Propane Gas, Yard Gas
Iron Pipe Size OD (IPS) ½" to 12",
Copper Tube Size OD (CTS) ½" to 1 ¼"
Coils available up through 6"
Outdoor Storage up to Three (3) 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 / 21.6kg	g / 10 minutes	ASTM D1238	8.0
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 Critical Pressure (Pc), 0°C (32°F) ⁽³⁾ Critical Temperature (Tc), 5 bar ⁽⁴⁾	Bar (psi) °C (°F)	ISO 13478 ISO 13477	>30 bar (>435 psi) <-24°C (<-11°F)
Color: UV Stabilizer [C] [E]		ASTM D3350	[C] Min 2% Carbon Black [E] UV Stabilizer, Yellow
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	>800
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 of specimens taken from piping product may vary from these typical values.
- Determination made on 12" DR-11 pipes for Full Scale test. Pc calculated in accordance with ISO 13478.
- Determination made on 8" DR-11 pipes. No failures occurred. Tc calculated in accordance with ISO 13477 Annex C Correlation.
- 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

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