

DRISCOPIPE® 8100

HDPE PIPE and FITTINGS DATA SHEET

Driscopipe® 8100 Pipe and Fittings meet or exceed:

ASTM D2513, D2683, D3261
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	gms / cm ³	ASTM D1505	0.961 (black)
Melt Index (HLMI) 190°C / 21.6kg	gms / 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 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	>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 on 12" DR-11 pipes for Full Scale test. Pc calculated in accordance with ISO 13478.
4. Determination made on 8" DR-11 pipes. No failures occurred. Tc calculated in accordance with ISO 13477 Annex C Correlation.
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