



PerformancePipe.com

DRISCOPEX® 8100

HDPE PIPE and FITTINGS DATA SHEET

DriscoPlex® 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

DriscoPlex® 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 (MI) Condition 190°C / 2.16kg	gms / 10 minutes	ASTM D1238	0.08
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) 0°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

- 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.

When Performance Matters Rely on
Performance Pipe

Bulletin: PP108 / March 2010

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