

DRISCOPIPE® 8100 Series

DRISCOPIPE® 8100 Series HDPE Gas Distribution Pipe



DRISCOPIPE® HDPE 8100 series is manufactured to meet your needs in compliance with ASTM D2513, NSF Gas and DOT 49 CFR 192.

Selected sizes conform to CSA B137.4 and UPC product standards.

Produced from only the highest rated HDPE pipe material, DRISCOPIPE® 8100 Series Pipe is manufactured from a PE 4710 and PE 100 resin listed in PPI-TR4.

DRISCOPIPE® HDPE Pipe Advantages:

- ✓ Durable
- ✓ Leak Tight
- ✓ Excellent Flow
- ✓ Abrasion Resistant
- ✓ Fatigue Free
- ✓ Impact Resistant
- ✓ Trenchless Install
- ✓ Bend Radius
- ✓ Chemical Resistant
- ✓ UV Protection
- ✓ Flexibility
- ✓ Environmental

DriscoPlex HDPE Series Pipe Material Physical Properties

Property	Standard	Typical Value†
Material Designation Code	ASTM D2513	PE 4710
Cell Classification	ASTM D3350	445574C (black)
Density [4]	ASTM D1505	0.961 g/cm ³ (black); >0.947 (colored)
Melt Index [4]	ASTM D1238	0.08 g/10 min
Flexural Modulus [5]	ASTM D790	>120,000 psi
Tensile Strength [5]	ASTM D638 Type IV	>3,500 psi
SCG (PENT) [7]	ASTM F1473	>2000 hours
HDB at 73°F (23°C) [4]	ASTM D2837	1,600 psi
Color; UV Stabilizer [C] [E]	ASTM D3350	Black Color
RCP, Full Scale, at 32°F (0°C)	ISO 13478	>667 psi (>46 bar)

This is not a product specification and does not guarantee or establish specific minimum or maximum values or manufacturing tolerance for material or tubing products to be supplied. Values obtained from tests of specimens taken from tubing product may vary from these typical values. †Calculated value per correlation equation in ISO 4437 based on S4 test data on 8" DR 11.

CTS = Copper Tube Size

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	MAOP @ 73°F per CFR Part 192.121 (psi)	Weight (lbs) per 100 ft.	Coil/ Joint (feet)	Nominal Packing Dimensions ID / OD / Width	Number Coils / Joints Per Pallet or Bundle	Pallet/ Bundle Footage	Number Pallet / Bundles Per Truck	48 ft. Truck
1/2"	*N/A	0.625	0.090	125	6.6	500' 1000'	30"/43"/3-2/3" 30"/43"/6-1/2"	18 11	9,000' 11,000'	26	234,000' 286,000'
1"	*N/A	1.125	0.090	89	13	500'	30"/43"/11"	6	3,000'	26	78,000'
	*N/A		0.101	100	14						

*N/A - The wall thickness is minimum per D2513 and not a function of DR.

Blue signifies AUTO COIL Products

IPS = Iron Pipe Sizes

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	MAOP @ 73°F per CFR Part 192.121 (psi)	Weight (lbs) per 100 ft.	Coil/ Joint (feet)	Nominal Packing Dimensions ID / OD / Width	Number Coils / Joints Per Pallet or Bundle	Pallet/ Bundle Footage	Number Pallet / Bundles Per Truck	48 ft. Truck
3/4"	DR 11	1.050	0.095	100	13	500'	30"/43"/10-3/8"	7	3,500'	26	91,000'
1"	DR 11	1.315	0.120	100	20	500'	30"/43"/12-1/2"	5	2,500'	26	65,000'
1 1/4"	DR 11	1.660	0.151	100	31	500'	48"/72"/7-1/2"	12	6,000'	7	42,000'
2"	DR 11	2.375	0.216	100	64	500'	52"/78"/13"	7	3,500'	7	24,500'
3"	DR 11	3.500	0.318	100	140	40' or 500'	soft bundles 70"/96"/23-3/4"	50	2,000'	14	28,000'
								4		6	
4"	DR 11	4.500	0.409	100	231	40' or 500'	soft bundles 70"/93"/41"	29	1,160'	14	16,240'
								2	1,000'	6	6,000'
6"	DR 11	6.625	0.602	100	500	40' or 500'	soft bundles 84"/120"/50"	13	520'	14	7,280'
	DR 13.5		0.491	82	416			Upright	500'	8 coils	4,000'
8"	DR 11	8.625	0.784	100	848	40'	soft bundles	9	360'	10	3,600'
	DR 13.5		0.639	82	704						
10"	DR 11	10.750	0.977	100	1317	40'	bulk packs	9	360'	7	2,520'
	DR 13.5		0.796	82	1094						
12"	DR 11	12.750	1.159	100	1853	40'	bulk packs	8	320'	6	1,920'
	DR 13.5		0.944	82	1540						

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed professional engineer. Design Pressure Rating is calculated per 49 CFR §192.121 and based on an operating temperature of 73°F. Pipe weights are calculated in accordance with PPI TR-7. Nominal OD and Minimum wall plus 6% is used in estimating fluid flow. Actual ID will vary. When designing components to fit the pipe ID, refer to pipe dimensions and tolerances in the applicable pipe manufacturing specification.

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