PERFORMANCE PIPE
A Division of Chevron Phillips Chemical Company LP

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. [1]Calculated value per correlation equation in ISO 4437 based on S4 test data on 12" DR 11.

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CTS = Copper Tube Size

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	Max Design Pressure @ 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						

IPS = Iron Pipe Sizes

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	Max Design Pressure @ 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	125	13	500'	30"/43"/10-3/8"	7	3,500'	26	91,000'
1"	DR 11	1.315	0.120	125	20	500'	30"/43"/12-1/2"	5	2,500'	26	65,000'
1 1/4"	DR 11	1.660	0.151	125	31	500'	48"/72"/7-1/2"	12	6,000'	7	42,000'
2"	DR 11	2.375	0.216	125	64	500'	52"/78"/13"	7	3,500'	7	24,500'
3"	DR 11	3.500	0.318	125	139	40' or 500'	soft bundles 70"/96"/23-3/4"	50 4	2,000'	14 6	28,000' 12,000'
4"	DR 11	4.500	0.409	125	231	40' or 500'	soft bundles 70"/93"/41"	30 2	1,200' 1,000'	14 6	16,800' 6,000'
6"	DR 11	6.625	0.602	125	499	40' or 500'	soft bundles 84"/120"/50"	13 Upright	520' 500'	14 8 coils	7,280' 4,000'
	DR 13.5		0.491	102	415						
8"	DR 11	8.625	0.784	125	847	40'	soft bundles	9	360'	10	3,600'
	DR 13.5		0.639	102	704						
10"	DR 11	10.750	0.977	125	1316	40'	bulk packs	9 joints/layer	360'	7	2,520'
	DR 13.5		0.796	102	1093						
12"	DR 11	12.750	1.159	125	1851	40'	bulk packs	8 joints/layer	320'	6	1,920'
	DR 13.5		0.944	102	1538						

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed professional engineer. 49 CFR §192.121 indicates a 0.40 Design Factor (DF) may be used on ≤12" IPS PE2708/PE4710 pipes produced after January 22, 2019 meeting the minimum wall thickness requirements per §192.121. Unless otherwise noted, Design Pressure Ratings are calculated based on an operating temperature of 73°F and a Design Factor (DF) of 0.40. 49 CFR Part §192.121 also limits design pressure to 125 psig for pipe ≤12" IPS and 100 psig for >12" IPS.
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.

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

**Uses a Design Factor of 0.32; does not meet the minimum wall thickness or size requirements of 49 CFR §192.121 for Design Factor of 0.40.

Blue signifies AUTO COIL Products

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