

DRISCOPLEX® 6500 Series

DRISCOPLEX® 6500 Series MDPE Gas Distribution Pipe



DRISCOPLEX® MDPE Pipe 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 MDPE pipe material, DRISCOPLEX® 6500 Series Pipe is manufactured from a PE 2708 and PE 80 resin listed in PPI-TR4.

DRISCOPLEX® MDPE Pipe Advantages:

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

DriscoPlex MDPE Series Pipe Material Physical Properties		
Property	Standard	Typical Value†
Material Designation Code	ASTM D2513	PE 2708
Cell Classification	ASTM D3350	234373E; 234375E
Density [2]	ASTM D1505	0.939 g/cm ³ (Yellow)
Melt Index [3]	ASTM D1238	0.18 g/10 min
Flexural Modulus [4]	ASTM D790	>90,000 psi
Tensile Strength [3]	ASTM D638 Type IV	2,800 psi
SCG (PENT) [7]	ASTM F1473	>2,000 hours
HDB at 73°F (23°C) [3]	ASTM D2837	1,250 psi
Color; UV Stabilizer [E]	ASTM D3350	Yellow; UV Stabilized
RCP, Full Scale, at 32°F (0°C)	ISO 13478	>123 psi (>8.5 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. The RCP properties were determined on 8" SDR 11 pipe.

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	6.5	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	0.099	77**	14	500'	30"/43"/11"	6	3,000'	26	78,000'

IPS = Iron Pipe 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"	DR 9.33	0.840	0.090	120	9.1	500'	30"/43"/6-1/2"	11	5,500'	26	143,000'
3/4"	DR 11	1.050	0.095	100	12	500'	30"/43"/10-3/8"	7	3,500'	26	91,000'
1"	DR 11	1.315	0.120	100	19	500'	30"/43"/12-1/2"	5	2,500'	26	65,000'
1 1/4"	DR 10	1.660	0.166	111	34	500'	48"/72"/7-1/2"	12	6,000'	7	42,000'
1 1/2"	DR 11	1.900	0.173	100	40	500'	48"/75"/8-1/2"	8	4,000'	7	28,000'
2"	DR 11	3.500	0.216	100	63	500'	52"/78"/13"	7	3,500'	7	24,500'
	DR 11		0.318	100	137	500'	70"/96"/23-3/4"	4	2,000'	6	12,000'
3"	DR 11.5	3.500	0.304	95	131	40'	soft bundles	50	2,000'	14	28,000'
			0.409	100	226	500'	70"/93"/41"	4	2,000'	6	12,000'
								40'	soft bundles	30	1,200'
4"	DR 11.5	4.500	0.391	95	217	600'	70"/93"/47"	2	1,200'	6	7,200'
			0.333	80	188	40'	soft bundles	upright	1,000'	8 coils	8,000'
								30	1,200'	14	16,800'
			6"	DR 13.5	6.625	0.491	80	407	450'	84"/120"/50"	upright
0.602	100	490				40'	soft bundles	13	520'	14	7,280'
								upright	500'	8 coils	4,000'
								13	520'	14	7,280'
								upright	500'	8 coils	4,000'
8"	DR 11.5	8.625	0.750	95	799	40'	soft bundles	9	360'	10	3,600'
			0.784	100	831						
			0.639	80	690						
10"	DR 11.5	10.750	0.935	95	1241	40'	soft bundles	9	360'	7	2,520'
			0.977	100	1291						
12"	DR 13.5	12.750	0.944	80	1509	40'	bulk packs	8 joints/layer	320'	6	1,920'
			1.109	95	1746						

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