



PerformancePipe.com

DRISCOPLEX® 6500

MDPE PIPE and FITTINGS DATA SHEET

DriscoPlex® 6500 Pipe and Fittings meet or exceed:

ASTM D2513, D2683, D3261
 CAN/CSA-B137.4
 UPC
 ASTM D3350, cell classification PE234373E and PE234375E
 PPI TR-4 designations PE2708 (PE2406) and PE80
 PPI TN-30

DriscoPlex® 6500 Yellow MDPE Pipe and Fittings for

Natural Gas Distribution, LPG and
 Propane Gas Distribution, Yard Gas
 Iron Pipe Size OD (IPS) ½" to 24",
 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	0.939 (yellow)
Melt Index (MI) Condition 190°C / 2.16kg	gms / 10 min	ASTM D1238	0.18
Hydrostatic Design Basis 73°F (23°C)	psi	ASTM D2837	1250
Hydrostatic Design Basis 140°F (60°C)	psi	ASTM D2837	1000
Minimum Required Strength	MPa (psi)	ISO 9080	8.0 (116)
Rapid Crack Propagation (Pc) 0°C (32°F) ⁽³⁾	Bar (psi)	ISO 13478	8.5 (123)
Color; UV Stabilizer [E]	--	ASTM D3350	Yellow; UV stabilized
Pipe Test Category	--	ASTM D2513	CEE
NOMINAL MATERIAL PROPERTIES ^{(1) (2)}	UNIT	TEST METHOD	VALUE
Flexural Modulus at 2% secant	psi	ASTM D790	>90,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	2,800
Elongation at Break 2 in / min., Type IV bar	%	ASTM D638	>800
Hardness	Shore D	ASTM D2240	63
PENT	hrs	ASTM F1473	>2,000
Vicat Softening Temperature	°F	ASTM D1525	227
Brittleness Temperature	°F	ASTM D746	< -103

1. This is not a product specification and does not guarantee or establish specific minimum or maximum values or manufacturing tolerances 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 8" DR-11 pipes for Full Scale test. Pc calculated in accordance with ISO 13478.

When Performance Matters Rely on
Performance Pipe

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Performance Pipe, a division of Chevron Phillips Chemical Company LP | 5085 W. Park Blvd | Suite 500 | Plano, TX 75093 | Phone: 800-527-0662 | Fax: 972-599-7348

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Please visit www.performancepipe.com for the most up-to-date information

CTS = COPPER TUBE SIZE

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	MAOP (psig per CFR Part 192 @100 F or less)	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"	7	0.625	0.09	100	6.5	1,000'	30"/44"/6"	12	12,000'	26	312,000'
1"	11.5	1.125	0.099	76	14	500'	30"/42"/11"	8	4,000'	26	104,000'

IPS = IRON PIPE SIZE

Nominal Size (Inches)	Dimension Ratio	Outside Diameter (Inches)	Minimum Wall (Inches)	MAOP (psig per CFR Part 192 @100 F or less)	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"	11	1.05	0.095	80	12	500'	30"/44"/10"	7	3,500'	26	91,000'
1"	11	1.315	0.12	80	19	500'	30"/44"/12"	6	3,000'	26	78,000'
1 1/4"	10	1.66	0.166	89	33	500'	48"/72"/7-1/2"	12	6,000'	7	42,000'
1 1/2"	11	1.9	0.173	80	40	500'	48"/75"/8-1/2"	8	4,000'	7	28,000'
2"	11	2.375	0.216	80	63	500'	52"/78"/13"	7	3,500'	7	24,500'
3"	11	3.5	0.318	80	136	500'	70"/96"/23-3/4"	4	2,000'	6	12,000'
	11.5	3.5	0.304	76	131	40'	soft bundles	50	2,000'	14	28,000'
						500'	70"/96"/23-3/4"	4	2,000'	6	12,000'
4"	11	4.5	0.409	80	225	500'	70"/93"/41"	2	1,000'	6	6,000'
	11.5	4.5	0.391	76	217	40'	soft bundles	29	1,160'	14	16,240'
						600'	70"/93"/49-1/2"	upright		12	7,200'
						1,000'	84"/116"/49"	upright		8 coils	8,000'
6"	11.5	6.625	0.576	76	471	40'	soft bundles	13	520'	14	7,280'
			500'	84"/120"/50"	upright	8 coils	4,000'				
	13.5		0.491	64	407	40'	soft bundles	13		14	7,280'
			500'	84"/120"/50"	upright	8 coils	4,000'				
8"	11.5	8.625	0.75	76	798	40'	soft bundles	9	360'	10	3,600'
	13.5		0.639	64	690						
12"	13.5	12.75	0.944	64	1507	40'	bulk packs	8 joints/layer	320'	6	1,920'

Pressure Rating is based on an operating temperature of 73°F per 49 CFR 192. 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.