

# DRISCOPEX® 4000/4100 Factory Mutual Series Pipe

## DRISCOPEX® 4000/4100 FM SERIES PIPE



DRISCOPEX® HDPE Pipe and Fittings are available to meet your needs in compliance with ASTM D3035/AWWA C901 or ASTM F714/AWWA C906, NSF 61 and FM 1613 product standards.

Produced from only the highest rated HDPE pipe material, DRISCOPEX® 4000/4100 FM Series Pipe and Fittings are manufactured from PE4710 resin as listed in PPI-TR4.

### DRISCOPEX® HDPE Pipe and Fittings Advantages:

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

#### Available Color Stripes to Identify the Application

Color	Application
Red	Factory Mutual, Underground Fire Main

Standard product is solid black with no stripes



# DRISCOPLEX® 4000/4100 Factory Mutual Series

DriscoPlex® Series Pipe Material Physical Properties		
Property	Standard	Typical Value†
Material Designation	ASTM F714	PE 4710
Cell Classification	ASTM D3350	445574C (black)
Density [4]	ASTM D1505	0.960 g/cc (black)
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	>3500 psi
SCG (PENT) [7]	ASTM F1473	>500 hours
HDB at 73°F (23°C) [4]	ASTM D2837	1600 psi
Color; UV stabilizer [C] [E]	ASTM D3350	Black Color with UV Stabilizer

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.

Common DR's for DriscoPlex® 4000 FM DIPS Pipe							
DIPS		DR 11			DR 9		
Pressure Class		Class 200 psi			Class 250 psi		
Pipe Size, in.	OD, in.	Min Wall, in.	Avg. ID, in.	Weight, lbs./ft.	Min Wall, in.	Avg. ID, in.	Weight, lbs./ft.
4	4.80	0.436	3.876	2.62	0.533	3.670	3.13
6	6.90	0.627	5.571	5.42	0.767	5.274	6.47
8	9.05	0.823	7.305	9.33	1.006	6.917	11.13
10	11.10	1.009	8.961	14.03	1.233	8.486	16.74
12	13.20	1.200	10.656	19.84	1.467	10.090	23.67
14	15.30	1.391	12.351	26.65	1.700	11.696	31.80
16	17.40	1.582	14.046	34.47	1.933	13.302	41.13
18	19.50	1.773	15.741	43.30	2.167	14.906	51.66
20	21.60	1.964	17.436	53.13	2.400	16.512	63.38
24	25.80	2.345	20.829	75.77	2.867	19.722	90.43

Common DR's for DriscoPlex® 4100 FM IPS Pipe										
IPS		DR 11			DR 9			DR 7		
Pressure Class		Class 200 psi			Class 250 psi			Class 335 psi		
Pipe Size, in.	OD, in.	Min Wall, in.	Avg. ID, in.	Weight, lbs./ft.	Min Wall, in.	Avg. ID, in.	Weight, lbs./ft.	Min Wall, in.	Avg. ID, in.	Weight, lbs./ft.
2	2.375	0.216	1.917	0.64	0.264	1.815	0.77	0.339	1.656	0.95
3	3.50	0.318	2.826	1.39	0.389	2.675	1.66	0.500	2.440	2.06
4	4.50	0.409	3.633	2.31	0.500	3.440	2.75	0.643	3.137	3.40
6	6.625	0.602	5.349	5.00	0.736	5.065	5.96	0.946	4.619	7.37
8	8.625	0.784	6.963	8.47	0.958	6.594	10.11	1.232	6.013	12.50
10	10.75	0.977	8.679	13.16	1.194	8.219	15.70	1.536	7.494	19.42
12	12.75	1.159	10.293	18.51	1.417	9.746	22.08	1.821	8.889	27.31
14	14.00	1.273	11.301	22.32	1.556	10.701	26.63	2.000	9.760	32.93
16	16.00	1.455	12.915	29.15	1.778	12.231	34.78	2.286	11.154	43.01
18	18.00	1.636	14.532	36.89	2.000	13.760	44.02	2.571	12.549	54.43
20	20.00	1.818	16.146	45.54	2.222	15.289	54.34	2.857	13.943	67.20
22	22.00	2.000	17.760	55.10	2.444	16.819	65.75	3.143	15.337	81.32
24	24.00	2.182	19.374	65.58	2.667	18.346	78.25	3.429	16.731	96.77

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. The listed Pressure Class are based on operating temperature up to 80°F and a 0.63 Design Factor for water application per PPI TR-41 and FM1613. Average inside diameter is calculated using Nominal OD and Minimum Wall plus 6% for use 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. Elevated temperature use considerations may require additional compensating factors. Additional information available at [www.performancepipe.com](http://www.performancepipe.com)