

## DRISCOPEX® 4000/4100 Factory Mutual Series

### DRISCOPEX® 4000/4100 FM SERIES



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 standard.

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	Underground Fire Main
Blue	Potable Water

Standard product is solid black with no stripes



# DRISCOPLEX® 4000/4100 Factory Mutual Series

DriscoPlex® Series Pipe Material Physical Property		
Property	Standard	Typical Value†
Material Designation	ASTM F 412	PE4170
Cell Classification	ASTM D 3350	445574C (black)
Density [4]	ASTM D 1505	0.960 g/cc (black)
Melt Index [4]	ASTM D 1238	0.08 g/10 min
Flexural Modulus [5]	ASTM D 790	>120,000 psi
Tensile Strength [5]	ASTM D 638 Type IV	>3500 psi
SCG (PENT) [7]	ASTM F 1473	>500 hours
HDB at 73°F (23°C) [4]	ASTM D 2837	1600 psi
Color; UV stabilizer [C] [E]	ASTM D 3350	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 Dimension Ratio's for DriscoPlex® 4000 FM DIPS Pipe							
DIPS		DR 11			DR 9		
Pressure Class		PC = 150 psi			PC = 200 psi		
Pipe Size, in.	OD, in.	Min Wall in.	Avg. ID in.	Wgt. lbs/ft	Min Wall in.	Avg. ID in.	Wgt. lbs/ft
4	4.80	0.436	3.876	2.62	0.533	3.67	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	1.2	10.656	19.84	1.467	10.09	23.67
14	15.30	1.391	12.351	26.65	1.7	11.696	31.8
16	17.40	1.582	14.046	34.47	1.933	13.302	41.13
18	19.50	1.773	15.741	43.3	2.167	14.906	51.66
20	21.60	1.964	17.436	53.13	2.4	16.512	63.38
24	25.80	2.345	20.829	75.77	2.867	19.722	90.43

Common Dimension Ratio's for DriscoPlex® 4100 FM IPS Pipe							
IPS		DR 11			DR 9		
Pressure Class		PC = 150 psi			PC = 200 psi		
Pipe Size, in.	OD, in.	Min Wall in.	Avg. ID in.	Wgt. lbs/ft	Min Wall in.	Avg. ID in.	Wgt. lbs/ft
2	2.375	0.216	1.917	0.64	0.264	1.815	0.77
3	3.50	0.318	2.826	1.39	0.389	2.675	1.66
4	4.50	0.409	3.633	2.31	0.5	3.44	2.75
6	6.625	0.602	5.349	5	0.736	5.065	5.96
8	8.625	0.784	6.963	8.47	0.958	6.594	10.11
10	10.75	0.977	8.679	13.16	1.194	8.219	15.7
12	12.75	1.159	10.293	18.51	1.417	9.746	22.08
14	14.00	1.273	11.301	22.32	1.556	10.701	26.63
16	16.00	1.455	12.915	29.15	1.778	12.231	34.78
18	18.00	1.636	14.532	36.89	2	13.76	44.02
20	20.00	1.818	16.146	45.54	2.222	15.289	54.34
22	22.00	2	17.76	55.1	2.444	16.819	65.75
24	24.00	2.182	19.374	65.58	2.667	18.346	78.25

Pressure Class is based on an operating temperature of 80°F. 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.