

DRISCOPLEX® 4600/4700 Series PE Piping

DRISCOPLEX® 4600/4700 Series PE Piping HDPE Sewer Pipe



DRISCOPLEX® 4600/4700 Series HDPE Sewer Piping is available to meet your needs in compliance with ASTM F714 product standards.

Produced from only the highest rated HDPE pipe material, DRISCOPLEX® 4600/4700 Series PE Piping is manufactured from PE4710 resin as listed in PPI-TR4. The gray pigmentation of Driscoplex® 4600/4700 Series HDPE pipe reduces glare and reflects sufficient light to help facilitate TV inspection of the pipe.

Key Benefits of Driscoplex® 4600/4700 HDPE piping:

- Light gray color for TV inspection
- Leak tight, fully restrained heat fusion joints
- Excellent flow characteristics
- Impact resistance
- Flexible and durable for use in trenchless applications
- Excellent chemical resistance – not affected by hydrogen sulfide commonly found in sanitary sewers
- Environmental benefits

Optional Color Stripes to Identify the Application	
Color	Application
Green	Wastewater

Standard product is solid gray with no stripes.
IPS – 4 Single Stripe / DIPS – 3 Sets of Dual Stripes

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DriscoPlex® Series PE Piping Material Physical Properties		
Property	Standard	Typical Value†
Material Designation	ASTM F714	PE4710
Cell Classification	ASTM D3350	445574E (Gray)
Density [4]	ASTM D1505	0.950 g/cc (Gray)
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 [E]	ASTM D3350	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.

Additional Sizes and DR available. Contact Performance Pipe or visit www.performancepipe.com

Selected Dimension Ratios for DriscoPlex® 4700 DIPS Pipe							
DIPS		DR 19			DR 17		
ASTM F714 PR		PR = 111 psi			PR = 125 psi		
Pipe Size, in.	OD, in.	Min Wall	Avg. ID	Wgt.	Min Wall	Avg. ID	Wgt.
		in.	in.	lbs/ft	in.	in.	lbs/ft
4	4.800	0.253	4.264	1.59	0.282	4.201	1.76
6	6.900	0.363	6.130	3.28	0.406	6.130	3.64
8	9.050	0.476	8.040	5.64	0.532	8.040	6.26
10	11.100	0.584	9.861	8.49	0.653	9.861	9.42
12	13.200	0.695	11.727	12.00	0.776	11.727	13.32
14	15.300	0.805	12.351	16.12	0.900	12.351	17.89
16	17.400	0.916	14.046	20.85	1.024	14.046	23.14
18	19.500	1.026	15.741	26.19	1.147	15.741	29.07
20	21.600	1.137	17.436	32.13	1.271	17.436	35.66
24	25.800	1.358	20.829	45.85	1.518	20.829	50.88

Selected Dimension Ratios for DriscoPlex® 4600 IPS Pipe							
IPS		DR 19			DR 17		
ASTM F714 PR		PR = 111 psi			PR = 125 psi		
Pipe Size, in.	OD, in.	Min Wall	Avg. ID	Wgt.	Min Wall	Avg. ID	Wgt.
		in.	in.	lbs/ft	in.	in.	lbs/ft
2	2.375	0.125	2.110	0.39	0.140	2.079	0.43
4	4.500	0.237	3.998	1.39	0.265	3.939	1.55
6	6.625	0.349	5.886	3.02	0.390	5.799	3.36
8	8.625	0.454	7.663	5.12	0.507	7.549	5.69
10	10.750	0.566	9.551	7.96	0.632	9.409	8.83
12	12.750	0.671	11.327	11.20	0.750	11.160	12.43
14	14.000	0.737	12.438	13.50	0.824	12.254	14.98
16	16.000	0.842	14.215	17.63	0.941	14.005	19.57
18	18.000	0.947	15.992	22.32	1.059	15.755	24.77
20	20.000	1.053	17.768	27.55	1.176	17.506	30.58
22	22.000	1.158	19.545	33.34	1.294	19.256	37.00
24	24.000	1.263	21.322	39.67	1.412	21.007	44.03

This product flyer is intended for reference purposes. It should not be used in place of the advice from a licensed Professional Engineer. Pressure Ratings and Pressure Class are based on operating temperature up to 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. Additional information available at www.performancepipe.com