

DRISCOPLEX[®] 1700 Series PE Piping

DRISCOPLEX[®] 1700 Series Mining Stripe HDPE Pipe



DRISCOPLEX[®] HDPE Mining Stripe HDPE Pipe is available to meet your needs in compliance with ASTM D3035 or ASTM F714 product standard.

Produced from only the highest rated HDPE pipe material, DRISCOPLEX[®] 1700 Series Mining Stripe HDPE Pipe is manufactured from PE4710 resin as listed in PPI-TR4 and is known for its durability, chemical and abrasion resistance.

DRISCOPLEX[®] HDPE Mining Stripe HDPE Pipe Applications:

- ✓ Gold
 - ✓ Copper
 - ✓ Sand
 - ✓ Silver
- ✓ Coal
 - ✓ Iron
 - ✓ Limestone
 - ✓ Phosphate
- ✓ Process Water
 - ✓ Dust Suppression
 - ✓ Process Slurry
 - ✓ Mine Dewatering

DriscoPlex[®] Series Pipe Material Physical Properties

Property	Standard	Typical Value†
Material Designation	ASTM F714	PE4710
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]	ASTM D3350	Black
[E]		Color with UV Stabilizer

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One Color Dual Stripe for DR Identification

Stripe Color	Pink	White	Red	Gold	Gray	Orange	Blue	Purple	Green	Brown
DR	6	7	9	11	13.5	15.5	17	21	26	32.5

Common Dimension Ratios for DriscoPlex® 1700 IPS Pipe (Custom DR's available. Contact Performance Pipe)

IPS		DR 17			DR 15.5			DR 13.5			DR 11			DR 9			DR 7		
ASTM F714 PR		PR = 125 psi			PR = 135 psi			PR = 160 psi			PR = 200 psi			PR = 250 psi			PR = 330 psi		
Pipe Size	OD, in.	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft	Min. Wall, in.	Avg. ID, in.	Wgt. lbs/ft
2	2.375	0.140	2.078	0.43	0.153	2.050	0.47	0.176	2.002	0.53	0.216	1.917	0.64	0.264	1.815	0.77	0.339	1.656	0.95
3	3.50	0.206	3.063	0.94	0.226	3.021	1.02	0.259	2.951	1.16	0.318	2.826	1.39	0.389	2.675	1.66	0.500	2.440	2.06
4	4.50	0.265	3.938	1.55	0.290	3.885	1.69	0.333	3.794	1.92	0.409	3.633	2.31	0.500	3.440	2.75	0.643	3.137	3.40
6	6.625	0.390	5.798	3.36	0.427	5.719	3.66	0.491	5.584	4.15	0.602	5.349	5.00	0.736	5.065	5.96	0.946	4.619	7.37
8	8.625	0.507	7.550	5.69	0.556	7.445	6.20	0.639	7.270	7.04	0.784	6.963	8.47	0.958	6.594	10.11	1.232	6.013	12.50
10	10.75	0.632	9.410	8.83	0.694	9.280	9.63	0.796	9.062	10.93	0.977	8.679	13.16	1.194	8.219	15.70	1.536	7.494	19.42
12	12.75	0.750	11.160	12.43	0.823	11.006	13.54	0.944	10.749	15.38	1.159	10.293	18.51	1.417	9.746	22.08	1.821	8.889	27.31
14	14.00	0.824	12.253	14.98	0.903	12.085	16.33	1.037	11.802	18.54	1.273	11.301	22.32	1.556	10.701	26.63	2.000	9.760	32.93
16	16.00	0.941	14.005	19.57	1.032	13.812	21.32	1.185	13.488	24.22	1.455	12.915	29.15	1.778	12.231	34.78	2.286	11.154	43.01
18	18.00	1.059	15.755	24.77	1.161	15.538	26.99	1.333	15.174	30.65	1.636	14.532	36.89	2.000	13.760	44.02	2.571	12.549	54.43
20	20.00	1.176	17.507	30.58	1.290	17.265	33.32	1.481	16.860	37.84	1.818	16.146	45.54	2.222	15.289	54.34	2.857	13.943	67.20
22	22.00	1.294	19.257	37.00	1.419	18.991	40.32	1.630	18.544	45.79	2.000	17.760	55.10	2.444	16.819	65.75	3.143	15.337	81.32
24	24.00	1.412	21.007	44.03	1.548	20.717	47.98	1.778	20.231	54.49	2.182	19.374	65.58	2.667	18.346	78.25	3.429	16.731	96.77
26	26.00	1.529	22.759	51.67	1.677	22.444	56.31	1.926	21.917	63.95	2.364	20.988	76.96	2.889	19.875	91.84			
28	28.00	1.647	24.508	59.93	1.806	24.170	65.31	2.074	23.603	74.17	2.545	22.605	89.26	3.111	21.405	106.51			
30	30.00	1.765	26.258	68.80	1.935	25.897	74.97	2.222	25.289	85.14	2.727	24.219	102.47	3.333	22.934	122.27			
32	32.00	1.882	28.010	78.28	2.065	27.623	85.30	2.370	26.976	96.87	2.909	25.833	116.58	3.556	24.462	139.12			
34	34.00	2.000	29.760	88.37	2.194	29.350	96.29	2.519	28.660	109.36	3.091	27.447	131.61						
36	36.00	2.118	31.510	99.07	2.323	31.076	107.96	2.667	30.346	122.60	3.273	29.061	147.55						
42	42.00	2.471	36.761	134.84	2.710	36.255	146.94	3.111	35.405	166.88	3.818	33.905	200.84						
48	48.00	2.824	42.013	176.12	3.097	41.435	191.92												
54	54.00	3.176	47.266	222.90	3.484	46.614	242.90												

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 are based on operating temperature up to 80°F. Pressure Rating is based on a 0.63 Design Factor per PPI TR-41. 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. Temperature, Chemical and Environmental use considerations may require additional design factors. Additional size and information is available at www.performancepipe.com.