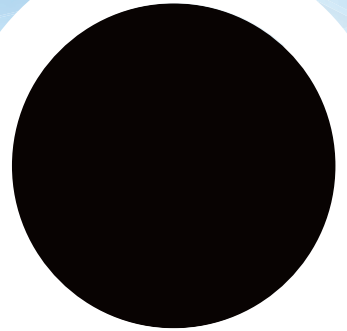


PE 4710 DIPS – MUNICIPAL & INDUSTRIAL PIPE

Designed for: Municipal Water, Sewer and Industrial Applications

- Ductile Iron Pipe Size - HDPE
- Black Pipe



Specifications:

- PE 4710 Resin formulation listed in PPI TR4
- Hydrostatic Design Basis: 1600 psi @ 73° F, 1000 psi @ 140° F
- Cell Classification per ASTM D3350 = 445574C and 445576C CC3
- 4" – 24" pipe: ASTM F714 and ANSI/AWWA C906-15
- NSF/ANSI Standards: 14 and 61.

Pressure Ratings:

If temperatures exceed 80°F, contact Charter Plastics for a working pressure de-rating.

Joining:

Charter Plastics Black DIPS pipe is based on outside diameter. Heat fusion is the preferred method for joining this pipe. All personnel conducting heat fusions should be experienced and follow guidelines published by the pipe manufacturer or by PPI in TR 33.

DIPS may also be joined with OD Mechanical fittings designed for pipe made to ASTM F714 standards.

Never use any lubricant on the pipe. Do not expose the pipe to direct flame.

Installing:

All Charter Plastics DIPS pipe can be direct buried and can be installed with a vibrating plow, pulled or horizontally directionally drilled. Buried pipe must be supported by proper embedment material like sand or gravel. Refer to PPI's "Handbook of Polyethylene Pipe" and follow as local, state or federal guidelines.

To safely handle and store polyethylene, refer to PPI's Material Handling Guide.

***This pipe is not designed for use inside the building or for hot water applications.**

Disinfection:

New water mains and service lines should be disinfected according to AWWA C651. The disinfection should take place after the initial flushing and pressure testing. Prolonged exposure or concentrated levels of disinfection chemicals may cause damage to the inside diameter of the pipe. The disinfection chemicals should never contain more than 12% active chlorine. Charter Plastics recommends the test duration not exceed 24 hours and that upon completion, the system be thoroughly flushed with fresh water.

Testing:

All pipe should be hydrostatically tested after installation.
Pneumatic testing is not recommended.
Refer to PPI's Handbook of Polyethylene Pipe for Guidelines.



Pipe for a New World.

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PIPE SIZE	O.D. ACTUAL		DR 9 PC 250 PSI	DR 11 PC 200 PSI	DR 13.5 PC 160 PSI	DR 15.5 PC 138 PSI	DR 17 PC 125 PSI	DR 21 PC 100 PSI	DR 26 PC 80 PSI	DR 32.5 PC 63 PSI
4"	4.800	MIN WALL	.533	.437	.356	.310	.282	.229		
		NOM. ID.	3.669	3.874	4.045	4.143	4.201	4.315	N/A	N/A
		WEIGHT PER FT	3.130	2.627	2.182	1.919	1.765	1.446		
6"	6.900	MIN WALL	.767	.628	.512	.445	.406	.329		
		NOM. ID.	5.275	5.569	5.815	5.956	6.039	6.203	N/A	N/A
		WEIGHT PER FT	6.468	5.426	4.511	3.966	3.640	2.987		
8"	9.050	MIN WALL	1.006	.823	.670	.584	.533	.431		
		NOM. ID.	6.918	7.305	7.630	7.812	7.920	8.136	N/A	N/A
		WEIGHT PER FT	11.127	9.328	7.744	6.822	6.268	5.133		
10"	11.100	MIN WALL	1.233	1.009	.823	.716	.653	.529	.427	.342
		NOM. ID.	8.485	8.961	9.355	9.582	9.716	9.979	10.195	10.376
		WEIGHT PER FT	16.739	14.027	11.666	10.263	9.419	7.727	6.300	5.089
12"	13.200	MIN WALL	1.467	1.200	.978	.852	.777	.629	.508	.406
		NOM. ID.	10.091	10.656	11.127	11.395	11.553	11.867	12.124	12.339
		WEIGHT PER FT	23.671	19.838	16.487	14.514	13.328	10.926	8.909	7.202
14"	15.300	MIN WALL	1.700	1.391	1.134	.987	.900	.729	.588	.471
		NOM. ID.	11.696	12.351	12.896	13.207	13.392	13.755	14.052	14.302
		WEIGHT PER FT	31.802	26.653	22.157	19.500	17.894	14.678	11.969	9.662
16"	17.400	MIN WALL	1.933	1.582	1.289	1.123	1.024	.829	.669	.535
		NOM. ID.	13.301	14.046	14.667	15.020	15.229	15.643	15.981	16.265
		WEIGHT PER FT	41.132	34.473	28.644	25.220	23.153	18.982	15.481	12.504
18"	19.500	MIN WALL	2.167	1.773	1.445	1.258	1.147	.929	.750	.600
		NOM. ID.	14.907	15.741	16.437	16.833	17.068	17.531	17.910	18.228
		WEIGHT PER FT	51.659	43.298	35.985	31.675	29.066	23.839	19.443	15.686
20"	21.600	MIN WALL		1.964	1.600	1.394	1.271	1.029	.831	.665
		NOM. ID.	N/A	17.436	18.208	18.646	18.905	19.419	19.839	20.191
		WEIGHT PER FT		53.128	44.137	38.864	35.676	29.249	23.856	19.258
24"	25.800	MIN WALL		2.346	1.912	1.665	1.518	1.229	.992	.794
		NOM. ID.	N/A	20.826	21.747	22.271	22.582	23.195	23.696	24.117
		WEIGHT PER FT		75.800	62.997	55.448	50.894	41.726	34.035	27.465

Weight calculations per PPI TR7

Charter Plastics, Inc.

221 S. Perry Street

P.O. Box 770

Titusville PA 16354 USA

T 800 486 7473 • 814 827 9665

F 814 827 1614

www.charterplastics.com

Charter Plastics

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