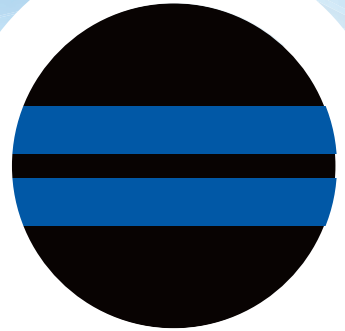


PE 4710 DIPS - MUNICIPAL & INDUSTRIAL PIPE

Designed for: Municipal Water and Industrial Applications

- Ductile Iron Pipe Size - HDPE
- Black Pipe with three evenly spaced *pairs* of Blue stripes



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 Blue Stripe 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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