



PerformancePipe.com

### DRISCOPLEX® 4100 (IPS) FM/4000 (DIPS) FM FACTORY MUTUAL APPROVED HDPE PIPE DATA SHEET

**DriscoPlex® 4100 FM (IPS)/4000 FM (DIPS)  
Pipe meets or exceeds:**

**DriscoPlex® 4100/4000 Pipe for:**

FM Approvals Class Number 1613  
Class 200 (DR 11), Class 250 (DR 9) and Class 335 (DR 7)  
ASTM F714 AWWA C906 (4" and Larger)  
ASTM D3035 AWWA C901 (up to 3")  
ASTM D3350, cell classification PE445574C  
PPI TR-4 designation PE4710

Fire Main Piping  
Iron Pipe Size OD (IPS) 2" to 24" – Class 200, 250, 335  
Ductile Iron Pipe Size OD (DIPS) 4" to 24" – Class 200, 250  
Solid Black / Red Color Striping Available  
Blue Striping when dual listed with AWWA  
40' and 50' Joints  
500' coils available in sizes through 6"

| NOMINAL PIPE PROPERTIES <sup>(1)</sup>                          |  | UNIT                  | TEST METHOD          | VALUE                  |
|-----------------------------------------------------------------|--|-----------------------|----------------------|------------------------|
| Density                                                         |  | gms / cm <sup>3</sup> | ASTM D1505           | 0.960 (black)          |
| Melt Index (MI) Condition 190°C / 2.16kg                        |  | gms / 10 minutes      | ASTM D1238           | 0.08                   |
| Hydrostatic Design Basis 73° F (23° C)                          |  | psi                   | ASTM D2837           | 1600                   |
| Hydrostatic Design Basis 140° F (60° C)                         |  | psi                   | ASTM D2837           | 1000                   |
| Color: UV Stabilizer [C]                                        |  | ---                   | ASTM D3350           | Min 2% Carbon Black    |
| NOMINAL MATERIAL PROPERTIES <sup>(1)(2)</sup>                   |  | UNIT                  | TEST METHOD          | VALUE                  |
| Flexural Modulus<br>2% Secant – 16:1 span: depth. 0.5 in / min. |  | psi                   | ASTM D790            | >120,000               |
| Tensile Strength at Yield                                       |  | psi                   | ASTM D638<br>Type IV | 3500                   |
| Elongation at Break<br>2 in / min., Type IV Bar                 |  | %                     | ASTM D638            | >800                   |
| Elastic Modulus                                                 |  | psi                   | ASTM D638            | >175,000               |
| Hardness                                                        |  | Shore D               | ASTM D2240           | 62                     |
| PENT                                                            |  | hrs                   | ASTM F1473           | >500                   |
| Vicat Softening Temperature                                     |  | °F                    | ASTM D1525           | 256                    |
| Brittleness Temperature                                         |  | °F                    | ASTM D746            | < -103                 |
| Thermal Expansion                                               |  | in / in / °F          | ASTM D696            | 1.0 x 10 <sup>-4</sup> |

1. 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.
2. Values obtained from tests of specimens taken from piping product may vary from these typical values.

**When Performance Matters Rely on  
Performance Pipe**

Bulletin: PP104 | May 2018

© 2018 Chevron Phillips Chemical Company LP

Performance Pipe, a division of Chevron Phillips Chemical Company LP | 5085 W. Park Blvd | Suite 500 | Plano, TX 75093 | Phone: 800-527-0662 | Fax: 972-599-7348

This data sheet provides typical properties for Performance Pipe piping products. Before using this product, the user is advised and cautioned to make their own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is application to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, allegedly arising from any usage of any trade or from any course of dealing in connection with the use of information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user. The data sheet may change periodically. Visit [www.PerformancePipe.com](http://www.PerformancePipe.com) for the most current data sheet.

