



PerformancePipe.com

DRISCOPLEX[®] 1700 MINING STRIPE

HDPE PIPE DATA SHEET

DriscoPlex[®] 1700 Pipe meets or exceeds:

ASTM F714
 ASTM D3350, cell classification PE345464C and PE445474C
 PPI TR-4 designation PE3608 and PE4710

DriscoPlex[®] 1700 Pipe for:

Iron Pipe Size OD (IPS) 4" to 54",
 40' and 50' Joints / Solid Black
 Single Color Stripe for DR Identification
 DR7 – White, DR9 – Red, DR11 – Yellow,
 DR13.5 – Gray, DR15.5 – Orange, DR17 – Blue,
 DR21 – Purple, DR26 – Green, DR32.5 – Pink

NOMINAL PIPE PROPERTIES ⁽¹⁾		UNIT	TEST METHOD	VALUE PE3608	VALUE PE4710
Density		gms / cm ³	ASTM D1505	0.955 (black)	.0960 (black)
Melt Index (MI)	Condition 190°C / 2.16kg	gms / 10 minutes	ASTM D1238	0.08	0.08
Hydrostatic Design Basis	73° F (23° C)	psi	ASTM D2837	1600	1600
Hydrostatic Design Basis	140° F (60° C)	psi	ASTM D2837	800	1000
Color: UV Stabilizer [C]		---	ASTM D3350	Min 2% Carbon Black	Min 2% Carbon Black
NOMINAL MATERIAL PROPERTIES ^{(1) (2)}		UNIT	TEST METHOD	VALUE PE3608	VALUE PE4710
Flexural Modulus	2% Secant – 16:1 span: depth. 0.5 in / min.	psi	ASTM D790	>110,000	>115,000
Tensile Strength at Yield		psi	ASTM D638 Type IV	3200	>3400
Elongation at Break	2 in / min., Type IV Bar	%	ASTM D638	>800	>800
Elastic Modulus		psi	ASTM D638	>150,000	>175,000
Hardness		Shore D	ASTM D2240	62	62
PENT		hrs	ASTM F1473	>100	>500
Vicat Softening Temperature		°F	ASTM D1525	256	256
Brittleness Temperature		°F	ASTM D746	< -103	< -103
Thermal Expansion		in / in / °F	ASTM D696	1.0 x 10 ⁻⁴	1.0 x 10 ⁻⁴

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: PP105 / August 2009

© 2009 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 for the most current data sheet.