

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 ⁽¹⁾	UNIT	TEST METHOD	VALUE
Density	gms / cm ³	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 ^{(1) (2)}	UNIT	TEST METHOD	VALUE
Flexural Modulus 2% Secant – 16:1 span: depth. 0.5 in / min.	psi	ASTM D790	>120,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	3500
Elongation at Break 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 ⁻⁴

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

When Performance Matters Rely on
Performance Pipe

