

For more information and technical assistance contact:

Performance Pipe, a division of
Chevron Phillips Chemical Company LP
P.O. Box 269006
Plano, TX 75026-9006
800.527.0662



DriscoPlex[®]

PE4710 / (PE3408)

Pipe and Fittings Data Sheet

Typical material Physical Properties of DriscoPlex[®] PE4710 / (3408)

High Density Polyethylene Materials

Property	Unit	Test Procedure	Typical Value
Material Designation	---	PPI TR-4	PE4710
Cell Classification	---	ASTM D3350	445474C
Pipe Properties			
Density	gms / cm ³	ASTM D1505	0.960 (black)
Melt Index Condition 190 / 2.16	gms / 10 minutes	ASTM D1238	0.05
Hydrostatic Design Basis 73°F (23°C)	psi	ASTM D2837	1600
Hydrostatic Design Basis 140°F (60°C)	psi	ASTM D2837	1000
Material Properties			
Flexural Modulus 2% Secant - 16:1 span: depth, 0.5 in / min	psi	ASTM D790	>115,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	>3400
Elongation at Break 2 in / min., Type IV bar	%	ASTM D638	>700
Elastic Modulus	psi	ASTM D638	>175,000
Hardness	Shore D	ASTM D2240	62
PENT	hrs	ASTM F1473	>500
Thermal Properties			
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

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Another quality product from



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