

For more information and technical assistance contact:

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DriscoPlex[®] 6500 PE2708 / (PE2406) Pipe Pipe & Fittings Data Sheet

Typical material Physical Properties of DriscoPlex[®] 6500 PE2708 / (PE2406)

Medium Density Polyethylene Materials

Property	Unit	Test Procedure	Typical Value
Material Designation	---	PPI TR-4	PE2708
Cell Classification	---	ASTM D3350	234373E
Pipe Properties			
Density	gms / cm ³	ASTM D11505	0.939
Melt Index (MI) Condition 190 / 2.16	gms / 10 minutes	ASTM D1238	0.18
Hydrostatic Design Basis 73°F (23°C)	psi	ASTM D2837	1250
Hydrostatic Design Basis 140°F (60°C)	psi	ASTM D2837	1000
Minimum Required Strength	Mpa (psi)	ISO 9080	8.0 (116)
Rapid Crack Propagation Full scale test, (Pc) 0°C (32°F)	Bar (psi)	ISO 13478	8.5 (123)
Color; UV Stabilizer	---	ASTM D3350	Yellow: UV stabilized for up to 4 years outdoor storage
Pipe Test Category	---	ASTM D2513	CEE
Material Properties			
Flexural Modulus at 2% strain	psi	ASTM D790	>100,000
Tensile Strength at Yield	psi	ASTM D638 Type IV	2,800
Elongation at Break 2 in / min., Type IV bar	%	ASTM D638	>800
Elastic Modulus at Secant 2% strain (2 in / min., Type IV bar)	psi	ASTM D638	>86,000
Hardness	Shore D	ASTM D2240	63
PENT	hrs	ASTM F1473	>3,500
Thermal Properties			
Vicat Softening Temperature	°F	ASTM D1525	227

Bulletin: PP 103

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Brittleness Temperature	°F	ASTM D746	-180
Thermal Expansion/Contraction	in / in / °F	ASTM D696	1.0 x 10 ⁻⁴

1. Meets ASTM D2513. Upon request certain sizes and DR;s may also be available to comply with IAPMO and CSA 137.4.
2. Determination made on 6" and 8" DR 11 pipes. Pc calculated in accordance with ISO 13478

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NOTICE: This data sheet provides typical physical property information for polyethylene resins used to manufacture PERFORMANCE PIPE polyethylene piping products. It is intended for comparing polyethylene piping resins. It is not a product specification, and it does not establish minimum or maximum values or manufacturing tolerances for resins or for piping products. Some of these typical physical property values were determined using compression molded plaques. Values obtained from tests of specimens taken from piping product can vary from these typical values. Performance Pipe has made every reasonable effort to ensure the accuracy of this data sheet, but this data sheet may not provide all necessary information, particularly with respect to special or unusual applications. The data sheet may be changed from time to time without notice. Contact Performance Pipe to determine if you have the most recent edition.

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