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DriscoPlex® 6500 Series PE 2406 MDPE Gas Pipe and Fittings

MEETS ASTM D2513 GAS STANDARD FOR GAS PRESSURE PIPE, TUBING AND FITTINGS

Typical Material Physical Properties of DriscoPlex® 6500 Series

Medium Density Polyethylene Materials

Property	Unit	Test Procedure	Typical Value
Material Designation	---	PPI-TR4	PE 2406
Cell Classification	---	ASTM D-3350	234363E
Density	g/cm ³	ASTM D-1505	0.939 (base) 0.941 (yellow)
Melt Flow, MI (2.16 Kg/190°C)	g/10 minutes	ASTM D-1238	0.18
Flexural Modulus	psi	ASTM D-790	> 100,000
Tensile Strength @ Yield	psi	ASTM D-638	2800
Slow Crack Growth (PENT)	hours	ASTM F-1473	> 3500
Hydrostatic Design Basis at 73.4°F (23°C)	psi	ASTM D-2837	1250
Color; UV Stabilizer	---	ASTM D-3350	Yellow; UV stabilized for up to 4 years outdoor storage ¹
Hydrostatic Design Basis at 140°F (60°C)	psi	ASTM D-2837	1000
Linear Thermal Expansion	inch/inch/°F	ASTM D-696	9 x 10 ⁻⁵
Elastic Modulus	psi	ASTM D-638	86,000
Brittleness Temperature	°F (°C)	ASTM D-746	< -180 (< -118)
Hardness	Shore D	ASTM D-2240	64

1. See CFR 49, Part 192, §192.321(g)(1).

2. DriscoPlex® 6500 is used primarily in gas distribution pressure rated piping systems. The pipe, tubing, and fittings are manufactured in accordance with the latest published edition of ASTM D2513. Upon request, certain sizes and DR's may also be available to comply with the requirements of IAPMO and CSA B137.4.

Before using the piping product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the piping 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 piping product is suited and the information is applicable to the user's specific application. This data sheet provides typical physical property information for polyethylene resins used to manufacture the piping product. 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 the piping product. These typical physical property values were determined using compression-molded plaques prepared from resin. Values obtained from tests of specimens taken from the piping product can vary from these typical values. Performance Pipe does not make, and expressly disclaims, all warranties, of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, allegedly arising from any usage of trade or from any course of dealing in connection with the use of information contained herein or the piping product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with th