



CenGas HDPE

Flexible Polyethylene Gas Distribution Pipe

HDPE 4710 — ASTM D2513



Effective January, 2024
Supersedes January 2019

CenGas HDPE (Black with yellow stripe)

Dimensions	SKU	SDR	Avg OD (in)	Avg ID (in)	Min Wall (in)	Wt / Ft (lbs)
3/4"	GASH0110075	11	1.050	.860	.095	.122
1"	GASH0110100	11	1.315	1.077	.120	.191
1¼"	GASH0110125	11	1.660	1.358	.151	.306
1½"	GASH0110150	11	1.900	1.554	.173	.402
2"	GASH0110200	11	2.375	1.943	.216	.627
3"	GASH0110300	11	3.500	2.864	.318	1.36
4"	GASH0110400	11	4.500	3.682	.409	2.249
6"	GASH0110600	11	6.625	5.421	.602	4.873

CENTENNIAL CenGas™ IPS SDR 11 ASTM D2513 PE4710 CEE NR

Note: For stocking coil lengths, please see centennialplastics.com/resources

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Gas Pipe

ESSENTIAL LINKS *(click link for website or to download file)*

- » PE Handbook
 - » Chapter 7 - Underground Installation of PE Pipe
 - » Chapter 8 - Above Ground Installation of PE Pipe
- » PPI TR-33 (Butt Fusion Joining)
- » PPI TR-41 (Saddle Fusion Joining)
- » Gas Pipeline Calculator
- » CenGas HDPE Stocking Coil Lengths
- » Chemical Resistance of Plastic Piping Materials
- » Weatherability of Thermoplastic Piping Systems

CERTIFICATIONS & REFERENCES

- » CenGas HDPE is compatible for connections with heat fusion, butt, socket, and saddle fusion joints.
- » **ASTM D2513** — This specification covers the requirements and test methods for material, dimensions, hydrostatic burst strength, tensile strength, chemical resistance, sustained pressure, heat fusion, and impact resistance of plastic pipes, tubing, and fittings used for direct burial and reliner applications in fuel gas mains and services for the distribution of natural gas.
- » **PE 4710** — CenGas HDPE is manufactured from virgin high density polyethylene resin with the cell classification of 445576C per ASTM D3350-22. The material contains minimum 2% carbon black as a UV inhibitor.
- » **ASTM D3350** — Material shall be high-density polyethylene conforming to the minimum requirements of cell classification 445576C as defined and described in ASTM D3350. Black with minimum 2% carbon black.
- » **ASTM F2619** — This specification covers requirements and test methods for material dimensions and tolerances, hydrostatic burst strength, chemical resistance, and rapid crack resistance of polyethylene pipe, tubing, and fittings for use in fuel gas pipelines for direct burial and reliner applications. The pipe and fittings covered by this specification are intended for use in the transmission and distribution of natural gas.
- » **ASTM F2897** — This specification defines requirements for the data used in the tracking and traceability base-62 encoding system. It provides the format of the resultant code to characterize various components used in fuel gas piping systems.
- » **ASTM F1668** — This guide describes installation techniques and considerations for open-cut construction of buried pipe. Although this guide was developed for plastic pipe, the concepts of providing the appropriate soil support, care in handling, correct joining techniques, proper soil compaction methods, and prevention of installation damage may apply to any pipe.
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