



**WEHOGAS CSA B137.4
 PE2708 POLYETHYLENE GAS
 DISTRIBUTION PIPE**

PRODUCT BULLETIN

Typical Applications:

Wehogas MDPE pipe is designed for underground gas distribution systems. The product is also suitable for propane and liquid propane gas.

Manufacturing Standard:

CSA B137.4 – *Polyethylene Piping System for Gas Services*. Wehogas is certified by 3rd party auditor¹ to confirm that the requirements of CSA B137.4 are met.

Quality:

Infra Pipe Solutions produce Weholite pipe in the manufacturing facilities accredited to ISO 9001:2015.

Pipe Sizes:

Wehogas PE2708 pipe is available in either NPS standard sizing or NTS sizing.

NPS 3/4, 1, 1-1/4, 1-1/2, 2, 3, 4, 6

NTS 1/4, 3/8, 1/2, 3/4, 1, 1-1/4

Typical Material Properties²:

Manufactured from a medium density polyethylene compound which meets or exceeds the minimum cell classification requirements of 213373E as specified in CSA B137.4 when classified in accordance with ASTM D3350. The material is listed as a standard grade in Plastics Pipe Institute (PPI) TR-4 with HDB ratings of 1250 psi at 73°F and a 1000 psi at 140 °F.

Cell class per ASTM D3350	Density (g/cm ³)	Melt Index (g/10 minutes)	Flexural Modulus Mpa (psi)	Tensile Strength at Yield Mpa (psi)	Slow Crack Resistance, PENT (hours)	HDB (psi)
234373E	>0.925-0.940	<0.4-0.15	552 to <758 (80,000 to <110,000)	18 to <21 (2600 to <3000)	>500	1250

Chemical Resistance:

The pipe meets the chemical resistance requirements of the CSA B137.4



¹ NSF International

² Typical properties will vary within specification limits.

Joining Methods:

Wehogas pipe is typically joined by heat fusion. There are three types of conventional heat fusion joints currently used in the industry; Butt, Saddle, and Socket Fusion. Additionally, electrofusion (EF) joining is available with special EF couplings and saddle fittings.

Weatherability:

Wehogas is produced from the PE compound designated as code E which is stabilized and protected against deterioration from unprotected UV exposure for not less than 3 years.

Major Dimensions:

Nominal Pipe Size	SDR	OD Avg (mm)	ID Avg (mm)	Min Wall (mm)	Avg Wall (mm)	MDPE Weight (lb/ft) avg
1/2	8.8	21.3	16.16	2.43	2.57	0.10
	11.0	21.3	17.21	1.93	2.05	0.08
	13.5	21.3	17.97	1.58	1.67	0.07
3/4	8.8	26.7	20.29	3.03	3.21	0.15
	11.0	26.7	21.60	2.41	2.55	0.12
	13.5	26.7	21.84	2.29	2.43	0.12
1	8.8	33.4	25.36	3.80	4.02	0.24
	11.0	33.4	27.00	3.02	3.20	0.19
	13.5	33.4	28.17	2.46	2.62	0.16
1-1/4	8.8	42.2	32.05	4.79	5.08	0.38
	11.0	42.2	34.06	3.84	4.07	0.31
	13.5	42.2	35.57	3.12	3.32	0.26
1-1/2	8.8	48.3	36.67	5.48	5.82	0.49
	11.0	48.3	38.99	4.39	4.66	0.41
	13.5	48.3	40.71	3.58	3.80	0.34
2	8.8	60.3	45.76	6.86	7.27	0.77
	11.0	60.3	48.66	5.49	5.82	0.63
	13.5	60.3	50.83	4.47	4.74	0.53
2-1/2	8.8	73.0	55.40	8.30	8.80	1.13
	11.0	73.0	58.95	6.63	7.03	0.93
	13.5	73.0	61.52	5.41	5.74	0.77
3	8.8	88.9	67.48	10.10	10.71	1.67
	11.0	88.9	71.78	8.08	8.56	1.37
	13.5	88.9	74.95	6.58	6.98	1.14
4	8.8	114.3	86.76	12.99	13.77	2.76
	11.0	114.3	92.28	10.39	11.01	2.27
	13.5	114.3	96.37	8.46	8.97	1.89
6	8.8	168.3	127.71	19.15	20.30	6.00
	11.0	168.3	135.89	15.29	16.21	4.92
	13.5	168.3	141.87	12.47	13.22	4.09