



HDPE BLACK PIPE FOR GAS

MEETS ASTM D2513, CELL CLASS PER ASTM D3350, PPI-LISTED MATERIAL (TR-4) AND PE 3408/3608/4710.



APPLICATIONS

JM Eagle's high-density polyethylene black pipe for gas is suitable for use in multiple applications for distribution, and oil and gas gathering.

DESCRIPTION

JM Eagle's high-density polyethylene black pipe for gas is available in ½-inch to 20-inch diameters. It comes in sticks, as well as coil lengths in diameters up to 6 inches. It may be installed by heat fusion or mechanical fittings.

The product's physical properties make it applicable to open-trench and slip-lining installations.

PE 4710 resin surpasses PE 3408/3608 in the following high-performance designations:

- Density class 4 (0.947 – 0.955 g/cc) vs. density cell class 3 (>0.940 – 0.947 g/cc).
- SCG (slow crack growth) cell class 7 or PENT value of 500 hours vs. SCG cell class 4 or PENT value of 10 hours.
- 1,000 psi HDS (hydrostatic design stress) vs. 800 psi HDS at 140 degrees F.

BENEFITS

JM Eagle's HDPE black pipe for gas is manufactured from superior PE 4710 resin material for greater performance and an extended life expectancy.

- Its butt-fused joints eliminate potential leak points, common at 20 feet with ductile iron pipe, for a zero leak rate.
- Highly resistant to corrosion and weather, recent studies conclude it will last at least 100 years.
- Its light weight and flexibility make it easy to install, eliminate the need for fittings required with directional changes, and make it highly suitable for use in earthquake-prone areas.
- Its high-strength walls give it the highest PE pressure rating, outstanding resistance to SCG and increased resistance to rapid crack propagation.
- The increased working stress rating of high-performance PE 4710 resin material allows use of a larger inside diameter (thinner wall) for a given operating pressure, making it a superior choice over steel or ductile iron pipe, especially for the large-diameter pipe sizes.



HDPE BLACK PIPE FOR GAS

SUBMITTAL AND DATA SHEET

40' STRAIGHT LENGTHS

NOMINAL SIZE	SDR*	PIPE DATA		PACKAGING DATA		
		WEIGHT LB/100 (FT)	MIN. WALL (IN)	BULK PACKS		
				AVER. O.D. (IN)	FEET/PACK	NUMBER LENGTHS/PACK
2"***	11.0	63	0.216	2.375	4,200	105
3"	11.5	131	0.304	3.500	2,000	50
4"	11.5	217	0.391	4.500	1,160	29
4"	13.5	188	0.333	4.500	1,160	29
6"	11.5	472	0.576	6.625	520	13
6"	13.5	408	0.491	6.625	520	13
6"	21.0	271	0.316	6.625	520	13
8"	11.0	833	0.785	8.625	560	14
8"	13.5	692	0.639	8.625	560	14
8"	21.0	457	0.410	8.625	560	14
10"	13.5	1075	0.797	10.750	440	11
12"	13.5	1511	0.945	12.750	160	4
14"	11.0	2220	1.273	14.000	120	3
16"	11.0	2900	1.455	16.000	120	3
18"	11.0	3669	1.636	18.000	80	2
20"	11.0	4530	1.818	20.000	80	2

Note: Gas Pipe products (previously produced by US Poly) are currently manufactured by JM Eagle™.

OIL & GAS GATHERING

HIGH DENSITY PE 3408/3608/4710

NOMINAL SIZE	SDR*	PIPE DATA				PACKAGING DATA				
		WEIGHT LB/100 (FT)	MIN. WALL (IN)	AVER. O.D. (IN)	FEET/ COIL	SILO PACKS		COIL DIMENSIONS		
						COILS/ PACK	FEET/ PACK	NOM. I.D.	MAX OD	WIDTH
1"	11.0	19	0.119	1.315	500	6	3,000	2'6"	3'9"	14-1/2"
1-1/4"	10.0	31	0.1651	1.660	500	12	6,000	4'3"	6'8"	7"
2"	11.0	64	0.216	2.375	500	7	3,500	4'3"	6'8"	12"
3"	11.0	139	0.318	3.500	500	4	2,000	5'10"	8"	23"

Other coil lengths may be available.

POLYETHYLENE BLACK GAS

SUBMITTAL AND DATA SHEET

HIGH-DENSITY PE 3408/3608/4710

COILS NOMINAL SIZE	SDR*	PIPE DATA				PACKAGING DATA				
		WEIGHT LB/100 (FT)	MIN. WALL (IN)	AVER. O.D. (IN)	FEET/ COIL	SILO PACKS		COIL DIMENSIONS		
						COILS PACK	FEET/ PACK	NOMINAL ID	MAX OD	WIDTH
1/2" CTS (5/8" OD)	7.0	7	0.090	0.625	1,000	12	12,000	2'6"	3'9"	5-1/2"
1/2" CTS (5/8" OD)	7.0	7	0.090	0.625	500	10	5,000	2'6"	3'9"	5-1/2"
3/4" CTS (7/8" OD)	9.7	10	0.099	0.875	500	7	3,500	2'6"	3'9"	7-3/4"
1" CTS (1-1/8" OD)	11.5	14	0.102	1.125	500	7	3,500	2'6"	3'9"	11"
1" CTS (1-1/8" OD)	12.5	13	0.090	1.125	500	7	3,500	2'6"	3'9"	11"
1-1/4" CTS (1-3/8" OD)	15.3	16	0.090	1.185	500	6	3,000	2'6"	3'9"	13"
1/2"	9.3	9	0.090	0.840	1,000	7	7,000	2'6"	3'9"	12"
3/4"	11.0	12	0.095	1.050	500	7	3,600	2'6"	3'9"	11"
1"	11.0	19	0.119	1.315	500	6	3,000	2'6"	3'9"	14-1/2"
1-1/4"	10.0	31	0.1651	1.660	500	12	6,000	4'3"	6'8"	7"
2"	11.0	64	0.216	2.375	500	7	3,500	4'3"	6'8"	12"
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OIL & GAS GATHERING

SUBMITTAL AND DATA SHEET

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POLYETHYLENE BLACK GAS

SUBMITTAL AND DATA SHEET

HIGH-DENSITY PE 3408/3608/4710

NOM. PIPE SIZE (IN)	AVERAGE O.D. (IN)	APPROX. ID (IN)	MINIMUM WALL THICKNESS (IN)	APPROX. WEIGHT (LBS/ FT)
HDPE SDR 11				
2	2.375	1.910	0.216	0.62
3	3.500	2.820	0.318	1.35
4	4.500	3.640	0.409	2.24
6	6.625	5.360	0.602	4.85
8	8.625	6.960	0.784	8.42
10	10.750	8.680	0.977	13.09
12	12.750	10.290	1.159	18.41
14	14.000	11.302	1.273	22.20
16	16.000	12.920	1.455	29.02
18	18.000	14.531	1.636	36.69
20	20.000	16.145	1.815	45.30
HDPE SDR 17				
2	2.375	2.080	0.140	0.43
3	3.500	3.060	0.206	0.91
4	4.500	3.930	0.265	1.50
6	6.625	5.810	0.390	3.26
8	8.625	7.550	0.507	5.65
10	10.750	9.410	0.632	8.78
12	12.750	11.160	0.750	12.36
14	14.000	12.250	0.824	14.92
16	16.000	14.010	0.941	19.47
18	18.000	15.755	1.059	24.64
20	20.000	17.506	1.176	30.41

* Other sizes and SDR may also be available, please contact JM Eagle™ Sales Department.