



# 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<br>LB/100<br>(FT) | MIN. WALL<br>(IN) | BULK PACKS         |           |                     |
|                  |      |                          |                   | AVER. O.D.<br>(IN) | FEET/PACK | NUMBER LENGTHS/PACK |
| 2 <sup>***</sup> | 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<br>LB/100<br>(FT) | MIN. WALL<br>(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.