



**PE 2406  
YELLOW GAS PIPE**

FORM NO. 161-YG SPECIFICATIONS  
 PRICES ARE LISTED ON FORM MLP-1.  
 PLEASE ORDER BY PART NUMBER.

APRIL, 2006



| YELLOW<br>GAS PIPE<br>YG - IPS<br><br>WHITE LABEL/BLACK PRINT | SIZE  | SDR   | O.D.  | MIN.<br>WALL | WEIGHT<br>PER 100' | COIL<br>LENGTHS | PART<br>NO. |
|---|-------|-------|-------|--------------|--------------------|-----------------|-------------|
|   | 1/2"  | 9.3   | .840  | .090         | 9.13               | 150             | 27005       |
|   |       |       |       |              |                    | 500             | 27010       |
|   | 3/4   | 11    | 1.050 | .095         | 12.25              | 150             | 27120       |
|   |       |       |       |              |                    | 500             | 27125       |
|   | 1     | 11    | 1.315 | .120         | 19.37              | 150             | 27130       |
|   |       |       |       |              |                    | 500             | 27135       |
|   | 1 1/4 | 11    | 1.660 | .151         | 30.81              | 150             | 27140       |
|   |       |       |       |              |                    | 500             | 27145       |
|   | 1 1/4 | 10    | 1.660 | .166         | 33.53              | 150             | 27150       |
| 500   |       |       |       |              |                    | 27155           |             |
| 1 1/2   | 11    | 1.900 | .173  | 40.44        | 150                | 27160           |             |
|   |       |       |       |              | 500                | 27165           |             |
| 2   | 11    | 2.375 | .216  | 63.10        | 100                | 27170           |             |
|   |       |       |       |              | 500                | 27175           |             |

| YELLOW<br>GAS TUBING<br>YG - CTS<br><br>WHITE LABEL/BLACK PRINT | 1/2" | 7  | .625  | .090 | 6.44  | 150   | 27705 |
|---|------|----|-------|------|-------|-------|-------|
|   |      |    |       |      |       | 500   | 27710 |
|   | 1    | 11 | 1.125 | .101 | 13.99 | 150   | 27740 |
| 500   |      |    |       |      |       | 27745 |       |

CRESLINE POLYETHYLENE GAS CONFORMS TO PE 2406, ASTM D 2513.

**CRESLINE PLASTIC PIPE CO., INC.**

600 Cross Pointe Blvd.  
 264 Silver Spring Rd.  
 2100 South 35th St.  
 3801 East Hwy. 31

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CRESLINE YELLOW PE GAS PIPE AND TUBING IS MANUFACTURED AND RATED ACCORDING TO THE FOLLOWING:

**STANDARDS AND GUIDELINES**

ASTM D 2513  
 ASTM D 1248  
 ASTM D 3350  
 ASTM D 678

CODE OF FEDERAL REGULATIONS, U.S. DEPT. OF TRANSPORTATION PIPELINE SAFETY REGULATIONS TITLE 49, PART 192

MATERIAL LISTED IN PPI - TR4

| <b>PE 2406 YELLOW GAS PIPE</b>          |                  |                      |                   |
|---|------------------|----------------------|-------------------|
| <b>PROPERTIES</b>                       | <b>ASTM TEST</b> | <b>ENGLISH UNITS</b> | <b>SI UNITS</b>   |
| CELL CLASSIFICATION                     | D 3350           | 234333E              | 234433E           |
| MELT INDEX                              | D 1238           |                      | 0.20g/10 MIN      |
| DENSITY (YELLOW)                        | D 1505           |                      | 0.943 g/cc        |
| TENSILE STRENGTH AT YIELD (2 IN/MIN)    | D 638            | 2,800 PSI            | 19.3 Mpa          |
| TENSILE STRENGTH AT BREAK (2 IN/MIN)    | D 638            | 4,500 PSI            | 31.0 Mpa          |
| NOTCH TENSILE (PENT)                    | F 1473           | > 100 HRS            | > 100 HRS         |
| ELONGATION AT BREAK (2 IN/MIN)          | D 638            | > 800 %              | > 800 %           |
| VICAT SOFTENING POINT                   | D 1525           | 248 DEGREES F        | 120 DEGREES C     |
| FLEXURAL MODULUS                        | D 790            | 100,000 PSI          | 690 Mpa           |
| THERMAL STABILITY                       | D 2513/D 3350    | 428 DEGREES F MIN    | 220 DEGREES C MIN |
| BRITTLINESS TEMPERATURE                 | D 746            | < 180 DEGREES F      | < 118 DEGREES C   |
| ENVIRONMENTAL STRESS CRACK RESISTANCE   | D 1693           | > 5,000 HRS          | > 5,000 HRS       |
| NOTCHED IZOD IMPACT STRENGTH            | D 256            | 10 FT-LBF/IN         | 0.53 KJ/m         |
| HYDROSTATIC DESIGN BASIS @ 23 DEGREES C | D 2837           | 1250 PSI             | 8.6 MPa           |

PLEASE CONSULT THE FOLLOWING REFERENCES FOR RECOMMENDED INSTALLATION METHODS:

- AMERICAN GAS ASSOCIATION PLASTIC PIPE MANUAL FOR GAS SERVICE
- CODE OF FEDERAL REGULATIONS, TITLE 49, SUBCHAPTER D
- PLASTIC PIPE INSTITUTE TR33

PLEASE REFER TO PLASTIC PIPE INSTITUTE TR22 WHEN USING THIS PRODUCT FOR TRANSPORTATION OF PROPANE GAS.

| <b>MAXIMUM OPERATING PRESSURES FOR PE 2406 YELLOW GAS PIPE</b> |                       |
|--|-----------------------|
| <b>SDR</b>   | <b>73.4 DEGREES F</b> |
| 7  | 100 PSI               |
| 9.3  | 96 PSI                |
| 10   | 88 PSI                |
| 11   | 80 PSI                |

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