



## CENFLO 3608 HDPE MATERIAL DATA SHEET

**CENFLO 3608 HDPE MEETS OR EXCEEDS:**

ASTM D 2737  
ASTM D 2239  
ASTM D 3350, CELL CLASSIFICATION PE 345464C

**CENFLO 3608 PIPE FOR:**

POTABLE WATER AND IRRIGATION  
APPLICATIONS.

### NOMINAL PIPE PROPERTIES

|                                    | ASTM METHOD | ENGLISH UNITS | SI UNITS     |
|------------------------------------|-------------|---------------|--------------|
| DENSITY (BLACK)                    | D 4883      | -             | .955 g/cc    |
| MELT INDEX <sup>1</sup>            | D 1238      | -             | 12.5g/10 min |
| HYDROSTATIC DESIGN BASIS @ (23° C) | D 2837      | 1600 psi      | 11.0 MPa     |
| HYDROSTATIC DESIGN BASIS @ (60° C) | D 2837      | 800 psi       | 5.5 MPa      |
| CARBON BLACK CONCENTRATION         | D 1603      | 2.30%         | 2.30%        |

### NOMINAL RAW MATERIAL PROPERTIES

|  |        |               |            |
|--|--------|---------------|------------|
| <b>TENSILE STRENGTH</b>                            |        |               |            |
| @ YIELD (2 in/min)                                 | D 638  | 3300 psi      | 22.8 MPa   |
| @ BREAK (2 in/min)                                 | D 638  | 4500 psi      | 31.0 MPa   |
| <b>ELONGATION</b>                                  |        |               |            |
| @ BREAK (2 in/min)                                 | D 638  | >600%         | >600%      |
| FLEXURAL MODULUS <sup>2</sup>                      | D 790  | 120,000 psi   | 827 MPa    |
| NOTCHED IZOD IMPACT STRENGTH                       | D 256  | 6.0 ft-lbf/in | 0.32 kJ/m  |
| HARDNESS (SHORE D)                                 | D 2240 | 68            | 68         |
| VICAT SOFTENING POINT                              | D 1525 | 259° F        | 126° C     |
| BRITTLENESS TEMPERATURE                            | D 746  | <-180° F      | <-118° C   |
| ENVIRONMENTAL STRESS CRACK RESISTANCE <sup>3</sup> | D 1693 | >5000 hrs.    | >5000 hrs. |
| NOTCH TENSILE (PENT)                               | F 1473 | >100 hrs.     | >100 hrs.  |
| CELL CLASSIFICATION                                | D 3350 | 345464C       | 345464C    |

<sup>1</sup> 190°C/21600 g

<sup>2</sup> 2% Secant-Method 1

<sup>3</sup> Condition C

Available in Iron Pipe Size 1/2" - 2".

Centennial Plastics is an ISO 9001 certified company.

CenFlo is certified by NSF.

CenFlo meets AWWA C901 Requirements.

CenFlo HDPE 3608 is certified by NSF Standards 14 and 61.