



**Dri coPlex® PE 3408 HDPE Piping System
Typical Material Physical Properties of Dri coPlex
HDPE High Density Polyethylene Material**



| Property | Unit | Test Procedure | Typical Value |
|--------------------------|-------------------|----------------|------------------------------------|
| Material Designation | — | ASTM F 412 | PE 3408 |
| Cell Classification | — | ASTM D-3350 | 345464C (black) 345464E (color) |
| Density [3] | g/cm ³ | ASTM D-1505 | 0.955 (black) 0.947 (color) |
| Melt Index [4] | g/10 minute | ASTM D-1238 | 0.1 |
| Flexural Modulus [5] | psi | ASTM D-790 | > 130,000 |
| Tensile Strength [4] | psi | ASTM D-638 | 3200 |
| SCG (PENT) [6] | hour | ASTM F-1473 | > 100 |
| HDB at 73.4°F (23°C) [4] | psi | ASTM D-2837 | 1600 |
| Color; UV Stabilizer [C] | — | ASTM D-3350 | Black with minimum 2% carbon black |
| Color; UV Stabilizer [E] | — | ASTM D-3350 | Color with UV stabilizer |
| Linear Thermal Expansion | inch/inch/°F | ASTM D-696 | 9 x 10 ⁻⁵ |
| Elastic Modulus | psi | ASTM D-638 | 110,000 |
| Brittleness Temperature | °F (°C) | ASTM D-746 | < -180 (<-118) |
| Hardness | Shore D | ASTM D-2240 | 65 |