

# KING PIPEGRADE®

Black PE-4700 High Density Polyethylene

## Gauges Tolerances

1/8" - 1-1/2" +/- 5% • 1" - 1-1/2" - 5% +10% • Both width and length over 1-1/2" is Plus Only at Room Temp

| Properties               | Units       | ASTM   | Nominal Value* |
|--------------------------|-------------|--------|----------------|
| Density                  | g/cc        | D792   | .96            |
| Tensile Strength @ Yield | p.s.i.      | D638   | >3,630         |
| Tensile Strength @ Break | p.s.i.      | D638   | >5,510         |
| Elongation @ Break       | %           | D638   | 600            |
| Flexural Modulus         | p.s.i.      | D790   | 150,000        |
| Izod Impact Notched      | ft.lbs./in. | D256   | 9.2            |
| Brittleness Temp.        | °F          | D746   | -180           |
| Vicat Softening          | °F          | D1525  | 259            |
| PENT Notch Tensile       | hrs.        | F1473  | >10,000        |
| ESCR                     | hours       | D1693C | >5000          |
| Notched Tensile (PENT)   | hours       | F1473  | >10,000        |

\*All values are determined on specimens prepared according to ASTM Standards.

Nominal values should not be interpreted as specifications.

King PipeGrade® complies with the Plastic Pipe Institute PE4710 classification.

King PipeGrade® meets ASTM D3350 cell class 4455774C

King PipeGrade® is FDA and NSF approved for standard 14 and complies with ANSI/NSF standard 61 for health effect requirements

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