

**KING
PIPEGRADE®**



This massive custom T-section produced by Independent Pipe Products utilizes King PipeGrade® PE 100 material in multiple components of the pipe.

- Made of the finest polymers available, using any of our proprietary K-Stran® process, compression molding or our extrusion molding process.
- Environmentally stabilized for tough and demanding conditions.
- Blocks and slabs available to custom thickness up to 30" and 96" width.
- 50-100 years service life per ISO CRS 10 MPa @ 20°C.
- Superior Slow Crack Growth (SCG) resistance.
- High temperature/pressure performance.
- Enhanced fusion to MSPE and other HDPE pipe grades.
- Increased tensile strength and modulus.

The Superior Polymer For The Pipe Industry

King PipeGrade® is a special black polyethylene material is formulated for the pipe industry. It is available in sheets, slabs, and massive shapes.

King PipeGrade® is now offering PE 4710/PE 100 material as our standard, which is compliant to ASTM D3350 as a standard material.

ASTM D3350 covers 4710 PE100 which is completely compatible and 100% interchangeable for use in applications that presently use ASTM 3608 - PE 80 material. PE4710-PE100 tends to have a higher hydrostatic design basis (HDB) than other resins but most significantly is the notched tensile/slow crack PENT test which is >10,000 hours vs. 100-200 hours for the others.

Standard Color

Black

Standard Sheet Sizes

1/8" | 3/16" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" |
1-1/4" | 1-1/2" | 1-3/4" | 2" | 2-1/4" | 2-1/2" | 2-3/4" |
3" _ 3-1/2" | 4"

Standard Gauges

1/8" to 1-1/2": 48"x 96" or 60"x 120"
1/2" to 4": 48"x 96"

Custom Gauges Available Upon Request

Physical Properties

Density g/cc

ASTM D1505 .96

Tensile Strength@ Yield (PSI)

D638 >3,600

Tensile Strength @Break (PSI)

ASTM D638 >5500

Elongation @ Break

ATM D638 600

Flexural Modulus (PSI)

ASTM D790 150,000

Durometer Shore D

ASTM D2240 66

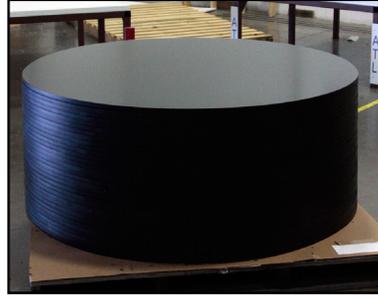
ESCR hours

ASTM D1693C >5000

Brittleness Temperature °F

ASTM D746 -180°

* All values are determined on specimens prepared according to ASTM testing procedures (if applicable). Normal values should not be interpreted as specifications.



King Plastic Corporation has been developing and manufacturing quality polymer sheets, slabs and massive shapes since 1968.

The King heritage is always making a tireless commitment to innovation, quality and service. Our comprehensive line of products are manufactured at our state-of -the-art headquarters in North Port, Florida, and distributed worldwide.

King Plastic's Limited Warranty is your money back or replacement of defective material. No other warranties are expressed or implied including merchantability and fitness for a particular purpose.

Distributed by:



King Plastic Corporation
1100 N. Toledo Blade Blvd., North Port, FL 34288 USA
TEL: (941) 493-5502 FAX: (941) 497-3274
www.kingplastic.com