

## DURAPLUS™ ABS INDUSTRIAL

IPEX offers a complete IPS (1/2" to 8") pressure pipe, valves and fittings system. This piping system is ideal for the following applications: :

- Slurries
- Water lines
- Vent piping
- Chemical treatment
- Tailings lines



### Duraplus™ Features :

- High Impact Strength
- Outstanding Ductility
- Wide Chemical Resistance
- Operating Range from -40°F to 140°F (-40°C to 60°C)
- Long Term UV Resistance
- Multiple Proven and Easy Joining Methods
- Competitive Installed Cost



### Material/Product Compliance

The ABS compound used in the manufacturing of Duraplus ABS Industrial Pipe complies with the material requirements of ASTM D3965, "Standard Specification for Rigid Acrylonitrile-Butadiene-Styrene (ABS) Materials for Pipe and Fittings". The ABS material has an IZOD impact resistance of not less than 5ft.lb/in at -22°F per ASTM D256.

### Mining Application Users of Duraplus Industrial ABS

- The largest zinc mine in the world, Red Dog Mine in Alaska, contains three miles of Duraplus Industrial ABS. The mine required a piping system designed to withstand such rigors as transportation, installation and the Alaskan climate.
- Pend Oreille Mine used Duraplus Industrial ABS for their slurry piping system. The pipe was grooved and a grooved metallic coupling was used. This allowed the slurry lines to be quickly assembled and disassembled.

## Advantages of Duraplus Industrial ABS

- **Lightweight** – Duraplus Industrial ABS material is 1/8 the weight of steel and 1/5 the weight of copper.
- **Simple, reliable joining method** – Solvent cemented joints can be made quickly and easily without expensive equipment or certifications. Flanging, grooving and threaded joints are also possible.
- **Grooved joints** – allow quick assembly and disassembly, pipe rotation for even wear and cleaning of individual pipe sections.
- **Wide range of pressure and temperature capabilities** – Operating pressures from drainage up to 230 psi and temperature range from -40°F to 140°F (-40°C to 60°C) make this product suitable for the harshest environments.
- **Lower installation costs** – Duraplus Industrial ABS is less expensive to install because of its simple joining methods – its lightweight and ease of handling.
- **Lower maintenance costs** – Duraplus Industrial ABS has excellent chemical resistance, corrosion resistance and impact resistance resulting in a piping system that lasts longer.
- **No heat, no sparks, no open flames** – Pipe can be joined to fitting without the necessity of heat.
- **Abrasion resistance** – The rubber-like poly-butadiene phase gives Duraplus Industrial ABS exceptionally good abrasion resistance to slurries and other abrasive media.

## About IPEX

At IPEX, we have been manufacturing nonmetallic pipe and fittings since 1951. We formulate our own compounds and maintain strict quality control during production. Our products are made available for customers thanks to a network of regional stocking locations throughout North America. We offer a wide variety of systems including complete lines of piping, fittings, valves and custom-fabricated items.

More importantly, we are committed to meeting our customers' needs. As a leader in the plastic piping industry, IPEX continually develops new products, modernizes manufacturing facilities and acquires innovative process technology. In addition, our staff takes pride in their work, making available to customers their extensive thermoplastic knowledge and field experience. For specific details about any IPEX product, contact our customer service department (contact information is listed below).

### Contact us

Visit our website: [ipexna.com](http://ipexna.com)

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