

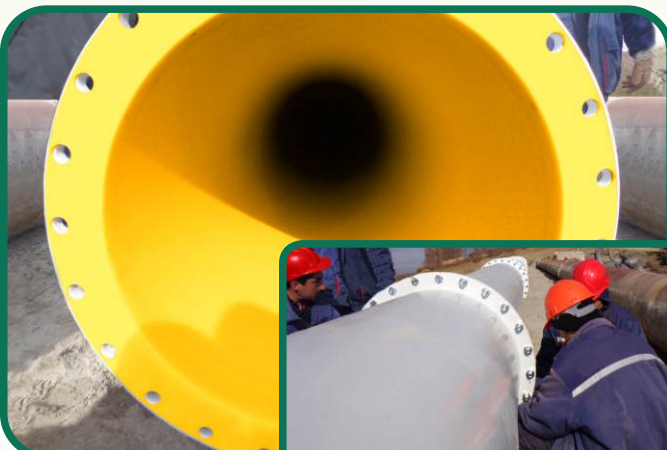
DESCRIPTION:

Inaprene® polyurethane-lined steel pipes.
Centrifugal casting method.

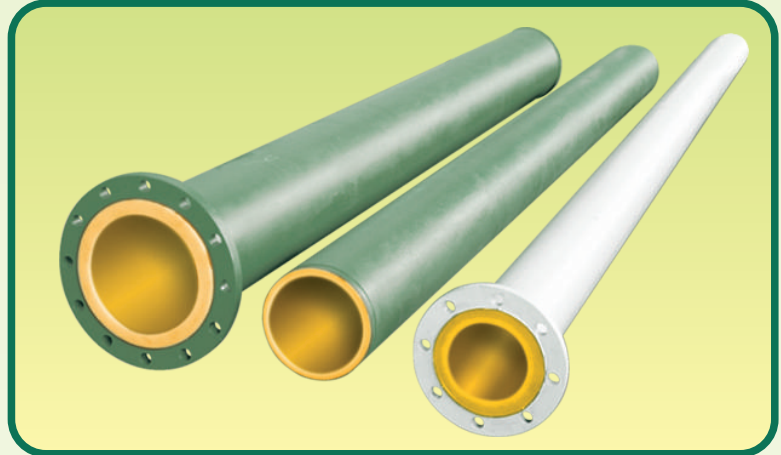
APPLICATION:

Transportation of highly abrasive ore slurry: copper, zinc, phosphate, kaolin, gold, nickel, iron, manganese, magnesium, chromium, titanium, wolfram, etc.

Mine desludging, dewatering, backfilling, tailings disposal.



THE IDEAL SOLUTION FOR TRANSPORTING HIGHLY ABRASIVE ORE SLURRY



ADVANTAGES:

- ✓ Extraordinary resistance to abrasion. Very high durability.
- ✓ Great capacity to withstand high pressures.
- ✓ Totally smooth inner surface with a low coefficient of friction. Non-caking.
- ✓ High stability with regard to hydrolysis, air humidity, weathering, ozone and microorganisms. Very good resistance to ageing.
- ✓ Excellent general behavior in the presence of oils, hydrocarbons, solvents, acids and bases.
- ✓ Elimination of problem of oxidation and minimization of corrosion.
- ✓ Highly resistant to shearing and tearing.
- ✓ Environment friendly.
- ✓ All pipe coupling options are available (DIN flanges, ANSI flanges, Victaulic system, etc.).
- ✓ Up to diameter 1200 mm, and length 6000 mm.
- ✓ Completely free of seams or joins.

For many years leading mining companies around the world have tried our Inaprene® polyurethane-lined steel pipes and have obtained extraordinarily good results, proving that our pipes have an excellent durability and are cost-effective.

Inelas Poliuretanos, S.L. is a manufacturer of polyurethane elastomers registered with the trademark **inaprene**[®]. Our beginning in 1966 coincides with the worldwide search for industrial applications of this elastomer.

We specialize in optimization and solving problems that commonly arise in certain industrial applications and specific mining processes, such as screening, the hydraulic or pneumatic transport of abrasive solids via pipeline, flotation and abrasion erosion at certain stages. We advise our clients on the implementation of innovative, simple, high-quality polyurethane products to improve performance and profitability during these processes.

Five decades of existence researching, testing and innovating with a decided vocation to know the possibilities of this material, has given us the necessary experience and quality to satisfy the most demanding needs.

inaprene[®]

Polyurethane elastomer

**OUR OWN
FORMULA**



PHYSICAL PROPERTIES



Extraordinary **abrasion** resistance.



Excellent **elasticity** even with high hardness and low temperature.



Good **resistance to traction, tear and cut**.



Great load **capacity**.

CHEMICAL PROPERTIES



High stability to **hydrolysis, unprotection, ozone and microorganisms**.



Good behaviour against many diluted **acids, oils, petrols**, etc.



Excellent **adherence to metals** in the manufacturing process.



Great **chemical versatility** to optimize performance in different applications.