



NEOPRENE AND RUBBER

Iracore has been rubber-lining mining equipment since 1957. Iraprene has been used in the Oil Sands since 2014. It offers outstanding protection in high-wear areas and high-impact, high-velocity applications, making it an ideal choice for Oil Sands applications.

The Natural Research Council rates Iraprene as the highest-wearing neoprene for the Oil Sands Industry. It is an excellent choice for lining Y-laterals, drain spools, elbows, barrels, straights, and a wide range of end connections. It is available with extra lining thickness at the highest wear spots and continuity wire for wear monitoring.

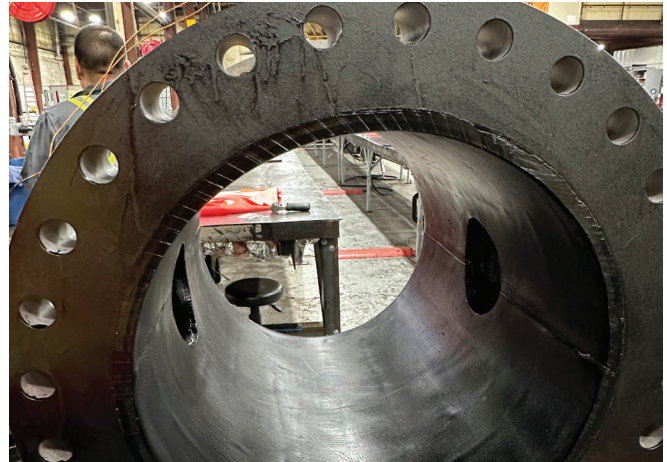
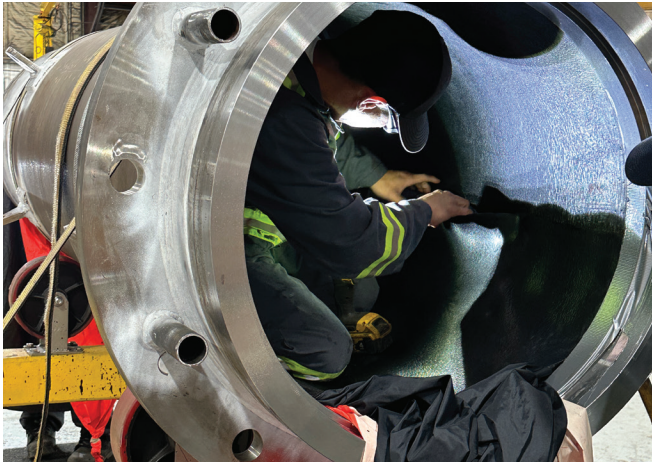
Our other Rubber Materials:

- **Natural Gum Rubber (NGR):** Offers superb abrasion and tear resistance in challenging hard rock mining conditions while providing exceptional value.
- **Moderate Oil Resistance (MOR):** This is a blend of NGR and nitrile compounds that perform well where trace amounts of oil are present.
- **High Temperature:** It is commonly used in hot process water lines for erosion and corrosion resistance.

Category	Iraprene	NGR	High Temperature
Wear Material	Neoprene Rubber	Rubber	Rubber
Rubber to Steel Bond	17.5 N/mm (105 PLI)	9 N/mm (50 PLI)	12.3 N/mm (70 PLI)
Coriolis Wear Resistance (Steel = 1)*	117	98	47
Relative Slurry Jet Erosion*	9mm ³	7mm ³	3mm ³

* Performed at mine operating temperature

Learn more about our other neoprene and rubber compounds by visiting iracore.com



Proven to Outperform

Since 1957, Iracore has been proven to outperform in our clients' toughest wear environments by leading the innovation, design, and manufacturing of engineered products, including lined pipe.

Studies have shown time and time again how Iracore materials deliver higher value than metal and other polymer materials.

Iracore is the manufacturer of elastomer wear products for abrasion and corrosion applications:

Urethane – Cast and Spin Cast:

- Iracore develops and compounds custom polyurethane materials for specific conditions

Rubber – Vulcanized and Cold Bond:

- Soft Natural Gum Rubber (NGR)
- Neoprene 0555*
- Moderate Oil Resistance (MORS)
- Chlorobutyl / Bromobutyl (Butyl)
- Hot Process Water and other custom applications

Iracore™-Lined Pipe:

- Specifically developed for cold-temperature and high-wear application.

* Highest wearing Neoprene for use in Oil Sands – rated by the NRC

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