

The new generation of rubber for the oil sands industry

Linagard® OSR is a high quality rubber compound that provides resistance to oils, specific chemicals and weathering.

Linagard OSR has been specifically designed to meet the needs of the Oil Sands industry.

What differentiates Linagard OSR from other Polychloroprene compounds is that it provides oil, chemical and weather resistance in addition to unmatched abrasion resistance.

Features

- 'Best in field' abrasion resistance
- Oil resistant
- Chemical resistant
- Weather resistant

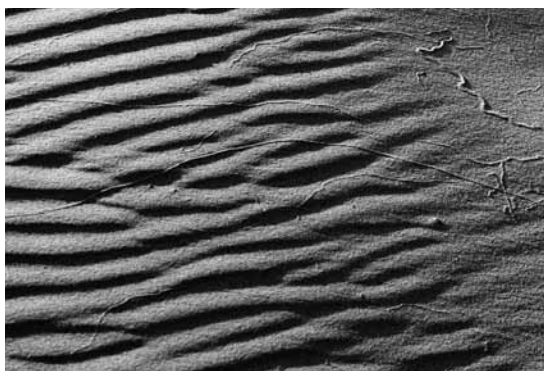
Application

- Oil sands

Size / Availability

Standard Sheet dimensions will vary within each Linatex global region. Please contact your local Linatex office to confirm.

- Standard thickness range: 6.0 mm, 10.0 mm and 12.0 mm (approx. ¼", 3/8" and ½")
- Moulded components are available and made to order
- Available as a liner within mining hose manufactured by Linatex



Bonding Systems and Installation

Specifically designed two part bonding systems are available from Weir Minerals. Please consult your local representative for advice on the most suitable bonding method.

www.weirminerals.com

Typical Physical Properties

	TEST STANDARD	LINAGARD OSR
Polymer Type		Polychloroprene
Hardness (IRHD)	ISO 48 -1994	58
Modulus @500% (MPa)	ISO 37 – 2005	15.6
Tensile Strength (MPa)	ISO 37 – 2005	19.1 (2770 psi)
Elongation at Break	ISO 37 – 2005	554%
Tear Strength (N/mm)	ISO 34 – 2004 (Method C)	35 (200 lbsf/in)
Specific Gravity	BS 903: Part A1: 1995	1.37
Resilience	BS 903: Part A8: 1990	55%
Operating Temperatures (Continuous use)		-40°C to +100°C / -40°F to +212°F
Colour		Black

Storage

The shelf life of the Linagard OSR compound is dependent upon the temperature at which the compound is stored. The information below provides a guide of the expected shelf life at various temperature ranges

- 2 months at or below 25°C / 77°F
- 4 months at or below 15°C / 59°F
- 6 months at or below 10°C / 50°C

Do not store under direct heat or sunlight.

Curing Parameters Typical Rheological Properties

Rheometer Machine: ODR 2000. 3° Arc
Testing Temperature: 140°C / 284°F

PROPERTY	UNIT	TYPICAL VALUE
ML	lb-in	11.42
MH	lb-in	56.45
Ts2	Minute	4.12
Tc90	Minute	25.85

Autoclave Cure Conditions

PRODUCT THICKNESS	140 °C / 284 °F
6 mm / ¼"	90 minutes
12 mm / ½"	120 minutes
24 mm / 1"	150 minutes

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Excellent
Minerals
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