



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.

The new generation of rubber for the oil sands industry

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

Linagard® OSR rubber has been specifically designed to meet the needs of the oil sands industry.

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

Linagard® OSR rubber is available in both cured sheet format and as an uncured rubber compound.

Design Features

- Exceptional abrasion resistance
- Oil resistant
- Chemical resistant
- Weather resistant

Applications

- Oil sands
- Mining hose
- Tank lining

Size/Availability

- Standard sheet size: 9.25m x 1.23m nominal (approx. 30ft x 4ft)
- Standard thickness range: 3.0mm to 12.0mm (approx. 1/8" to 1/2")
- Moulded components available from stock and made to order

Typical Physical Properties

PROPERTY	TEST STANDARD	LINAGARD® OSR
Polymer Type		Polychloroprene
Hardness (IRHD)	ISO 48 - 2010	58
Modulus @ 500% (MPa)	ISO 37 - 2011	15.6
Tensile Strength (MPa)	ISO 37 - 2011	19.1 (2770 psi)
Elongation at Break (%)	ISO 37 - 2011	554%
Tear Strength (N/mm)	ASTM D624-00 - 2012	35 (200 lbf/in)
Specific Gravity	ISO 2781 - 2008	1.37
Resilience (%)	BS 903. Part A8 1990	55%
Operating Temperatures (continuous use)		-40°C to +100°C / -40°F to +212°F

Weir Minerals