



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.

Cost effective solutions for aggressive chemical applications

Linagard® BB rubber is a bromo butyl based rubber that has been specifically formulated to provide a cost effective lining solution for aggressive chemical applications involving acids, alkalis and high temperatures.

The wide range of experience we have gained in the supply and installation of rubber lining for a diverse range of chemical applications has played a pivotal role in the development of Linagard® BB rubber.

It is a product that provides exceptional chemical and corrosion protection with unmatched mechanical properties.

Design Features

- Excellent resistance to inorganic chemicals
- Excellent UV and ozone resistance
- Excellent resistance to high temperatures
- Low gas permeability

Applications

- Acid leach tanks
- Chemical storage tanks
- Thickener tank linings
- Pipe lining

Size/Availability

- Standard sheet size: 9.25m x 1.23m nominal (approx. 30ft x 4ft)
- Part sheets available to order
- Standard thickness range: 3.0mm to 30.0mm (approx. 1/8" to 1 3/16")
- Moulded components available from stock and made to order

Typical Physical Properties

PROPERTY	TEST STANDARD	LINAGARD® BB
Polymer Type		Halogenated Butyl Rubber
Hardness (IRHD)	ISO 48 - 2010	58
Modulus @ 500% (MPa)	ISO 37 - 2011	5.0
Tensile Strength (MPa)	ISO 37 - 2011	7.0 (1016 psi)
Elongation at Break (%)	ISO 37 - 2011	400%
Tear Strength (N/mm)	ASTM D624-00 - 2012	35 (210 lbsf/in)
Specific Gravity	ISO 2781 - 2008	1.58
Resilience (%)	BS 903. Part A8 1990	27%
Operating Temperatures (continuous use)		-40°C to +120°C / -40°F to +248°F