



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.

Excellent resistance to abrasion, UV light and ozone attack

Linagard® OZ rubber is a natural rubber vulcanisate formulated for excellent resistance to abrasion, UV light and ozone attack.

Linatex® premium rubber is well known for its properties of resilience, abrasion resistance and vibration and noise absorption. In certain applications however, where high levels of ozone or UV light are present, unprotected pure natural rubber may be subject to surface deterioration. Linagard® OZ overcomes this potential limitation. Linagard® OZ rubber offers excellent resistance to sliding or slurry abrasion in combination with resistance to prolonged exposure to sunlight and high ozone concentrations.

Design Features

- Excellent weathering and ozone, sliding abrasion and electrical resistance, and resistant to most inorganic chemicals
- Produced with the addition of antiozonant agents
- High resilience
- Remarkable cut and tear strength
- Good sound absorption and vibration dampening properties

Applications

- Linings for hydrocyclones and hoses handling dry powder
- Where static electricity build-up may cause increased ozone levels
- Fabricated or moulded components that are frequently exposed to sunlight

Size/Availability

- Standard sheet size: 9.25 m x 1.23 m nominal (approx. 30ft x 4ft)
- Standard thickness range: 1.5 mm to 30.0 mm (approx. 1/16" to 1 3/16")

Typical Physical Properties

PROPERTY	TEST STANDARD	LINAGARD® OZ
Polymer Type		Natural Rubber
Hardness (IRHD)	ISO 48 - 2010	40
Modulus @ 500% (MPa)	ISO 37 - 2011	6.7
Tensile Strength (MPa)	ISO 37 - 2011	21 (3103 psi)
Elongation at Break (%)	ISO 37 - 2011	750%
Tear Strength (N/mm)	ASTM D624-00 - 2012	45 (257 lbf/in)
Specific Gravity	ISO 2781 - 2008	0.98
Resilience (%)	BS 903. Part A8 1990	83%
Operating Temperatures (continuous use)		-40°C to +70°C / -40°F to +158°F