



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.

A natural rubber for food contact applications

Linagard® FG rubber is a high quality natural rubber compound manufactured to meet the regulatory requirements for ingredients and migration testing of both:

- FDA (USA Food & Drug Administration CFR 21 177.2600) and;
- European Union (EU regulations 1935/2004, 2023/2006).

Manufactured to deliver outstanding wear resistance, Linagard® FG rubber is designed for use as a covering for process equipment and for belt coverings that come into temporary contact with food.

Linagard® FG rubber is suitable for handling of aqueous and dry foods. It is not suitable for use with food oils, fatty foods or foods with free oil on their surface.

Design Features

- Food safe
- Non-marking
- Excellent resistance to wet abrasion
- Excellent cut and tear resistance

Applications

- Lining in areas of food processing
- Pharmaceuticals and cosmetics industry
- Hose and valve manufacture
- Gasket industry

Size/Availability

- Standard sheet size: 9.25m x 1.23m nominal (approx. 30ft x 4ft)
- Part sheets available to order
- Standard thickness range: 1.5mm to 30.0mm (approx. 1/16" to 1 3/16")
- Moulded components available from stock and made to order

Typical Physical Properties

PROPERTY	TEST STANDARD	LINAGARD® FG
Polymer Type		Natural Rubber
Hardness (IRHD)	ISO 48 - 2010	38
Modulus @ 500% (MPa)	ISO 37 – 2011	2.5
Tensile Strength (MPa)	ISO 37 – 2011	20 (2900 psi)
Elongation at Break (%)	ISO 37 – 2011	810 %
Tear Strength (N/mm)	ASTM D624-00 - 2012	45 (256 lbsf/in)
Specific Gravity	ISO 2781 - 2008	0.99
Resilience (%)	BS 903. Part A8 1990	82 %
Operating Temperatures (continuous use)		-40 °C to + 70 °C/ -40 °F to 158 °F