



**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