



Bonding Systems and Installation

Specifically designed two-part bonding systems are available from TCRT. Please contact a TCRT representative for advice on the most suitable bonding method.

The rubber specifically designed for ballistics applications

Linagard® Ballistics FR (fire resistant) is a natural and synthetic rubber blend with the addition of non-flammable polymers and fire retardant fillers.

This unique combination delivers excellent fire retardance, oil and chemical resistance, outdoor weathering and superior physical properties.

Unlike other fire retardant rubbers, Linagard® Ballistics FR contains non-halogen fire retardant chemicals.

Applications

For application where fire retardant and chemical/oil resistant properties are required

Flammability test properties

Test results of Linagard Ballistics FR meet the requirements of *UL94:1997 V-0* and *UL94 HB* classifications

Size/availability

Available in custom-made moulded articles or rubber sheets

Storage

Recommended practice is to store away from direct heat and sunlight in accordance with *ISO 2230: Vulcanised Rubber - Guide to Storage*

Typical Physical Properties

PROPERTY	TEST STANDARD	LINAGARD® BALLISTICS FR
Tensile Strength (MPa)	ISO 37 – 2011	10.8
Elongation at Break (%)	ISO 37 – 2011	833
Tear Strength (N/mm)	ASTM D624-00 - 2012	35
Hardness (IRHD)	ISO 48 - 2010	42
Hardness (Shore A)	ISO 7619-1:2010	39
Specific Gravity (g/cm ³)	ISO 2781 - 2008	1.35
Operating Temperatures (°C)		-40 °C to +70 °C
Colours		Black, White, Grey, Yellow, Green, Blue, Red