

# Linatex Still Leading the Way



Linatex is a 95% natural rubber that exhibits outstanding resilience, strength and resistance to cutting, tearing and abrasion. With over 75 years experience in handling aggressive materials, Linatex is still ranked as the premium wear resistant rubber for sliding or wet abrasion service. From field experience, it will outlast polyurethanes, steel alloys and even Nihard liners and components, resulting in significant cost benefits to the user.

## A Unique Product

Linatex is produced from fresh natural latex utilising a liquid phase compounding process which, unlike other processes, causes minimum mechanical disturbance to the molecular structure of the finished rubber. It is this process that gives Linatex its extraordinary physical properties and outstanding performance. The group's Linatex manufacturing facility meets the requirements of ISO 9001: 2000 Standards.

- Excellent resistance to wet abrasion
- Very high resilience
- Remarkable cut and tear resistance
- Low permanent set
- Resistance to a wide range of chemicals
- Excellent electrical resistance
- Useful sound-absorption and vibration dampening properties
- Good flexibility even at low temperatures assists handling and installation

## Linatex Applications

The uses of Linatex are almost unlimited. From a complete range of anti-abrasion linings for material handling industries, to custom fabrications and moulded components, Linatex properties combine together to give optimum performance and reliability. The products sound absorption properties are used to good effect in improving the working environment, reducing noise levels that otherwise cause operator fatigue. Linatex isolation pads have also been specified to dampen unwanted vibration in applications ranging from buildings and sports halls to elevator assemblies.

# Technical Specifications

## Product Description

- A 95% pure natural rubber manufactured from fresh latex using a proprietary “liquid phase compounding” procedure.
- Resists wet abrasion. Resistant to most inorganic chemicals. Excellent shock, vibration dampening properties and low temperature flexibility.

## Recommended Applications

Proven performance in slurry handling applications such as pipelines, chutes and tank linings, hydrocyclones, sumps, etc. Linatex is also used in valve and pump linings, hoses, screencloths and to solve a wide range of sealing problems.

## Size/Availability

- Standard sheet size: 9.25 m x 1.23 m nominal.
- Part sheets available to order.
- Standard thickness range: 1.5 mm to 35.0 mm (approx. 1/16” to 1 3/8”).
- Moulded components available from stock/ to order.

## Bonding Systems

One and two part bonding systems, depending on application method and required service, are available from Linatex. Please consult your local representative.

## Storage

Recommended practice is to store away from direct heat and sunlight in accordance with ‘ISO 2230:- VULCANISED RUBBER’ – Guide to Storage’.



## Material Specification

Physical Property	Test Standard	Typical Value
Colour		Linatex Red (Typical)
Polymer Type		Natural Rubber
Hardness ( 5)	ISO 48 - 1994	38 IRHD
Tensile Strength	ISO 37 - 1994	26.6 MPa (3850 psi)
Elongation at Break	ISO 37 - 1994	810%
Tension Set	ISO 2285 - 1981	7%
Tear Strength	ISO 34 - 1994 Method C	44 N/mm (250 lbf/in)
Resilience	BS.903: Part A8	83%
Specific Gravity ( 0.05)		0.97
Service Temperature Range		-40°C to +70°C / (-40°F to +158°F)