

Linatex® Premium Rubber

Technical Specifications



Minerals



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.

Proven superior abrasion resistance

Linatex® premium rubber is a 95% natural rubber that exhibits outstanding resilience, strength and resistance to cutting, tearing and abrasion. The rubber of choice for a century in the handling of aggressive materials, Linatex® premium rubber is still the premium wear resistant rubber for sliding or wet abrasion service.

It is our unique liquid phase compounding process that gives Linatex® premium rubber its extraordinary physical properties and outstanding performance. Our process, unlike other processes, causes minimal mechanical disturbance to the molecular structure of the finished rubber, resulting in significant cost benefits to the user. With Linatex® premium rubber there is no equivalent when it comes to wet abrasion.

Design features

- Proven superior performance in fine slurry abrasion
- Excellent resistance to cutting and tearing
- High resilience and low modulus
- Resistance to a wide range of chemicals

Applications

The uses of Linatex® premium rubber are almost unlimited:

- Pipe lining
- Chute Lining
- Tank Linings
- Hydrocyclones
- Pumps
- Hoses
- Valve Liners
- Belting

Size/availability

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

Typical Physical Properties

PROPERTY	TEST STANDARD	LINATEX® PREMIUM RUBBER
Polymer Type		Natural Rubber
Hardness (IRHD)	ISO 48-2 : 2018	37
Modulus @ 500% (MPa)	ISO 37 : 2017	2.0
Tensile Strength (MPa)	ISO 37 : 2017	23 (3336 psi)
Elongation at Break (%)	ISO 37 : 2017	830%
Tear Strength (N/mm)	ASTM D624-00 : 2020 (Die B)	44 (250 lbf/in)
Specific Gravity	ISO 2781 : 2018	0.96
Resilience (%)	ISO 4662 : 2017	83%
Operating Temperatures (continuous use)		-40 °C to +70 °C/ -40 °F to +158 °F
Colour		Red