Linacure® 40

Technical Specifications

Minerals

Bonding Systems and Installation

Please consult your local Weir Minerals representative for advice on the most suitable bonding method.

Storage

The shelf life of the Linacure® 40 compound is dependent upon the temperature at which the compound is stored.

6 months at or below 40°C / 104°F.

Do not store under direct heat or sunlight.

Wear resistant uncured rubber for fine slurry applications

Linacure® 40 rubber is an uncured natural rubber compound designed specifically for use in fine slurry applications where hot bonding is the preferred method of installation.

Using the same formulation principles employed in our industry standard Linatex® premium rubber, we have created a product that worldwide field tests confirm provides a differentiated wear performance when compared to competitor uncured natural rubber compounds.

Typical Physical Properties

PROPERTY	TEST STANDARD	LINACURE® 40
Polymer Type		Natural Rubber
Hardness (IRHD)	ISO 48 - 2010	40
Modulus @ 500% (MPa)	ISO 37 – 2011	3.2
Tensile Strength (MPa)	ISO 37 – 2011	21.5 (3118 psi)
Elongation at Break (%)	ISO 37 – 2011	750%
Tear Strength (N/mm)	ASTM D624-00 - 2012	43 (245 lbsf/in)
Specific Gravity	ISO 2781 - 2008	0.95
Resilience (%)	BS 903. Part A8 1990	83%
Operating Temperatures (continuous use)		-40°C to +70°C / -40°F to +158°F

Design Features

- Superior wear performance in fine slurry abrasion
- Suitable for hot bonding
- Delivers lowest cost of ownership
- Ideally suited for autoclave curing and compression molding
- 6 month shelf life

Applications

- Pipelines
- Chutes
- Tank linings
- Hoses

Size/Availability

Standard Sheet dimensions will vary within each Weir global region. Please contact your local Weir Minerals office to confirm.

- Standard thickness range: 3.0mm to 12.0mm (approx. ⅛″ to ½″)

Weir Minerals

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