

ECOSIL® TWISTED ROPE – 1000°C

Ecosil twisted silica rope is produced from a number of texturized, twisted silica yarns. The diameter of the rope is determined by the number and thickness of the Ecosil silica yarns used.

Ecosil Silica twisted ropes are made from texturized continuous filament yarns with a diameter exceeding 6 micron and consequently exceed the critical range of 3 micron.

Chemical Properties

Ecosil® Twisted Silica rope exhibits excellent chemical stability resisting attack from most organic and corrosive agents with exception of hydrofluorid acids, phosphoric acids and concentrated alkalis.

Ecosil silica twisted ropes have excellent physical properties and high mechanical strength.

Availability

Ecosil® Twisted Silica ropes are available in the following diameters: 3-15 mm.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Colour	:	White	
Chemical Composition	:	SiO ₂	94,00 - 96,00%
		Al ₂ O ₃	2,50 - 4,50 %
Linear shrinkage	:	5 - 12 %	(depending on the applications)
Continuous use limit	:	1000°C	(short term 1100°C)
Melting Point	:	>1550°C	