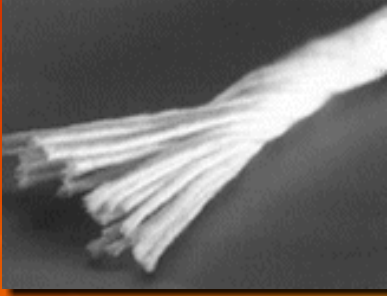


Twisted Rope



Properties

Twisted rope is fabricated from ceramic fiber yarn twisted left hand/right hand together to form a rope of specified diameters ranging from 3 mm to 50 mm, with glass filament, stainless steel wire or high temperature alloy wire inserted to provide high strength at elevated temperatures.

Twisted rope contains approximately 18% organic fiber which burns out at high temperatures, causing some smoking and outgassing, but the rope retains enough strength to be used at high temperatures.

Twisted rope is also available overbraided with wire as gasket and seals for furnace door.

Physical Properties

		ISOTEK 1260	ISOTEK 1430
Max. Temp. Rating		1260°C	1430°C
Melting Point		1760°C	1740°C
Temperature Limit of insert		Glass : 650°C Steel: 1100°C	Alloy Wire : 1300°C
Ceramic Fiber Composition	Al ₂ O ₃	46 %	28-32 %
	SiO ₂	53%	52-56%
	ZrO ₂		14-18 %
Diameter of Ceramic Fiber		3-4 micron	3-4 micron
Thermal Conductivity		<0.18 W/mK (1000°C'de)	<0.18 W/mK (1000°C'de)
Shrinkage (24hr)		3 % (1200°C'de)	3 % (1400°C'de)
Lost on Ignition		18 %	18 %
Electrical		Glass : Non-Conductive	Alloy Wire : Non-Conductive
		Steel : Conductive	
Density		448-560 kg/m ³	500-620 kg/m ³
Color		Beyaz	Beyaz

Typical Applications

- Asbestos cord, rope replacement
- Fireproof wrap and insulation
- Radiant tube packing for heat-treat furnaces
- Seals for stoves and ovens
- Expansion joint packing
- Bulb in tadpole gaskets
- Gaskets and seals
- Wick for oil burning apparatus

Usability

- Diameter: 6 - 50mm
- Custom sizes available upon request.

*Bu bilgiler, de i ebilen tipik özellikleri temsil etmektedir ve spesifikasyon amacıyla kullanılmamalıdır.
This data represents typical properties subject to variations and should not to be used for specification purposes.*