

Ceramic Round Braid



Properties

Ceramic round braid is dense, resilient, high performance ceramic fiber material fabricated from ceramic fiber yarn braided around a core of ceramic fiber rope to form a packing in round section. It is widely used for a broad variety of high temperature gasketing, packing and sealing application.

Ceramic round braid contains approximately 18% organic fiber which burns out at high temperatures, causing some smoking and outgassing, but has no effect on the properties of the products.

Physical Properties

		1260	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 Steel : Conductive	Alloy Wire : Non-Conductive
Density		480-650 kg/m3	520-700 kg/m3
Color		Beyaz	Beyaz

Typical Applications

- Asbestos packing replacement
- Radiant tube packing for heat-treat furnaces
- Expansion joint packing for furnaces
- Seals for stoves and ovens
- Bulb in tadpole gaskets
- Door seal insulation

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 be used for specification purposes.*