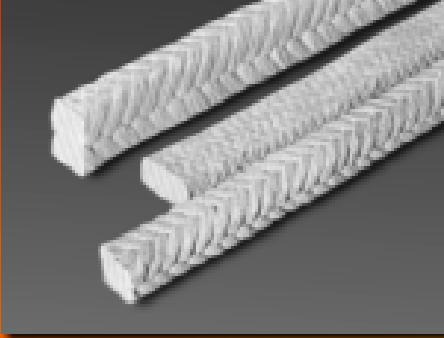


Ceramic Square Braid



Properties

Ceramic square braid is dense, resilient, high performance ceramic fiber material plaited from E-glass, stainless steel wire or high temperature alloy wire inserted ceramic fiber yarn to form a packing in square section. It is widely used for a broad variety of high temperature gasketing, packing and sealing application, especially when a material of even higher density and greater resilience than rope is required.

Ceramic square 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 | | 550-850 kg/m3 | 600-900 kg/m3 |
| Color | | Beyaz | Beyaz |

Typical Applications

- 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 to be used for specification purposes.*