

# **CERAMIC ROUND BRAIDED ROPE**

Hard/Dense | Compressible 10%

# **FEATURES**

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

Round braided rope contains approximately 18% organic fibre which burns out at high temperatures, causing some smoking and out-gassing, but has no effect on the properties of the products.

## **TECHNICAL INFORMATION**

| Properties   | 1260 Range                                 |
|--|--|
| Max temperature rating                             | 1260°C                                     |
| Melting point                                      | 1760°C                                     |
| Temperature limit of insert                        | Glass: 650°C<br>Steel: 1100°C              |
| Ceramic Fibre Composition<br>Al203<br>Si02<br>Zr01 | 46%<br>53%<br>0%                           |
| Diameter of Ceramic Fibre                          | 3-4 micron                                 |
| Thermal Conductivity                               | <0.18 W/ml at 1000°C                       |
| Shrinkage (24hrs)                                  | 3% at 1150°C                               |
| Loss on Ignition                                   | 18%  |
| Electrical   | Glass: Non-conductive<br>Steel: Conductive |
| Density  | 480 - 650 kg/m³                            |
| Colour   | White                                      |

#### **AVAILABLE SIZES**

STANDARD DIAMETER

6 - 50mm diameter

Custom sizes available upon request.



## **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

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Whilst every effort has been made to supply accurate information this specification should be used as a guide only. IG reserves the right to make specification changes without notice or without incurring liability.

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