

TECHNICAL DATA SHEET

CERAMIC FIBRE ROPE

Braided packing of square or round cross-section, made of ceramic yarn reinforced with inconel. Maximum permanent operating temperature of 1260°C. The surface of ceramic fibre rope braided packing should be free of damage, thickening and overstraining as well as sticking out broken threads. The packing should not delaminate and crack.

SCOPE OF APPLICATION

Aluminosilicate packing is used as a sealing material for machine and equipment components at temperatures up to 1260°C. The material does not contain flammable agents, is resistant to water, steam, oils and dry gases in the pH range of 5-9.

APPLICATION

Sealing of boilers, coal mills, industrial furnaces, furnace doors, flaps, covers, thermal insulation of heat pipes and others.



Raw material	aluminosilicate yarn
Maximum peak temperature in °C	1260
Melting point of the fibres in °C	1760
Minimum temperature in °C	-100
Type of reinforcement	-
Maximum shrinkage in %	3
Organic fibre content in %	18 – 20
Maximum loss on ignition in %	20
Density in g/cm ³	0,65 ± 15 %
Maximum moisture content in %	3

TYPES OF TESTING

- Full testing of packing is carried out once every three months and after each new delivery of raw material.
- Sampling: linear mass, packing dimension, visual inspection

thickness [mm]	4	6	8	10	12	15	18	20	22	25	30	35	40	60
tolerance	+/- 15%													
linear miss +/-15%	14	29	52	68	98	152	219	271	328	423	609	829	1058	2430

PACKING, STORAGE, TRANSPORT, DISPOSAL

The packing should be placed in bags or cardboard boxes. Store in conditions which prevent contamination and destruction. The material is not hazardous according to current European Union regulations and requires no additional labelling. The packing material is not hazardous, does not contain asbestos, formaldehyde and phenolic derivatives. They may be stored in industrial waste dumps; no special conditions are required. Properly selected, stored, assembled and operated packing do not pose any danger. Use protective gloves during assembly. There are no other hazards.

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