TECHNICAL DATA SHEET

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4AC.044
Sleeve – Ceramic

Overview

Final Advanced Materials offers a continuous polycrystalline ceramic fibre with mechanical and thermal performances superior to those of aramid, silica, quartz and glass. Made for extreme conditions, these ceramic sleeves are ideal for insulation and protection of cables, tubes, pipes and thermocouples. They also show great resistance to abrasion and are therefore suitable for sewing.

Technical Data

Properties		Unit	Value		
Material			Ceramic		
Declination			A60	A70	A72
Composition		%	Al_2O_3: 60 SiO_2: 40	Al_2O_3: 70 SiO_2: 28 B_2O_3: 2	Al_2O_3: 72 SiO_2: 28
Temperature	**Operating**	°C	1,200	1,400	1,250
	Peak		1,300	1,500	1,350

General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Ceramic	★★★★★	★☆☆☆☆	★★★★★

Applications

- Thermal insulation
- Electrical insulation
- Cables, pipes and tubes protection
- Reinforcement of assembled products
- Thermocouples insulation
- Thermal shield
- Insulation gaskets
- Metal treatment at high temperature

Ceramic sleeve

Available sleeves

Inner diameter (mm)	Internal reference
0.3	1TEX002288 (A72)
0.5	1TEX002289 (A72)
1	1TEX002290 (A72)
2	1TEX002291 (A72)
3	1TEX002292 (A72) 1TEX018129 (A70)
6	1TEX002293 (A72)
10	1TEX002294 (A72)
12	1TEX002295 (A72)
16	1TEX002296 (A72)
20	1TEX002297 (A72)

Inner diameter (mm)	Internal reference
25	1TEX002298 (A72)
32	1TEX002299 (A72)
40	1TEX002300 (A72)
50	1TEX002301 (A60)
58	1TEX002302 (A60)
60	1TEX002303 (A60)
63	1TEX002304 (A60)
70	1TEX002305 (A60)
85	1TEX002306 (A60)
95	1TEX002307 (A60)

The physical properties in this documentation are provided for informational purposes only and do not constitute a contractual commitment. Please contact our technical service if you require any additional information.

The sleeves are untreated or available with a heat-cleaned or heat-treated finish.

Heat cleaned: During the manufacturing process, the products are coated with a sizing or finishes made of organic polymers, that aid for the textile treatment. During initial heating, these polymers may decompose and/or ignite, releasing potentially hazardous byproducts. The treatment reduces irritation during handling, minimises airborne fibres, and decreases the amount of smoke produced at high temperatures.