TECHNICAL DATA SHEET

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4AC.005
Tape – Ceramic

Overview

Final Advanced Materials offers an innovative continuous polycrystalline ceramic fibre with mechanical and thermal performances superior to those of aramid, silica, quartz and glass. Tapes are ideal for thermal and electrical insulation as well as for cables and pipes protection.

Technical Data

Properties		Unit	Value	
Material			Ceramic	
Declination			A72	A62
Composition		**%**	Al_2O_3: 72 SiO_2: 28	Al_2O_3: 62.5 SiO_2: 24.5 B_2O_3: 12
Temperature	**Operating**	**°C**	1,250	1,200
	Peak		1,350	1,300

General Data

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

Applications

- Thermal insulation
- Electrical insulation
- Cables, pipes and tubes protection
- Reinforcement of assembled products

Ceramic tape

Available tapes

Thickness (mm) / Width (mm)	0.45	0.46	0.53	1.87
25		1TEX002710 (A62)	1TEX002279 (A72)	1TEX002280 (A72)
50	1TEX002282 (A72)		1TEX002281 (A72)	
51		1TEX008085 (A62)		
70			1TEX002283 (A72)	
100			1TEX002284 (A72)	

The tapes 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.

Heat treated: If the product is to be exposed to hot and humid environments for an extended period, heat treatment is necessary. This heat treatment changes the crystalline structure of the fibre, preventing its degradation under such conditions.

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.