



## 4AC.043 Sleeve – Basalt

### Overview

Basalt fibre is an ecological and recyclable high-temperature material. Final Advanced Materials uses this fibre to manufacture products with higher resistance than that of glass fibre. These sleeves are mainly used as cable insulators and for heat protection in the motor vehicle industry.

### Technical Data

Properties		Unit	Value		
Material			Basalt		
Composition		%	SiO <sub>2</sub> : 57.5 Al <sub>2</sub> O <sub>3</sub> : 16.9 MgO: 3.7	Na <sub>2</sub> O: 2.5 K <sub>2</sub> O: 0.8 Fe <sub>2</sub> O <sub>3</sub> : 9.3	TiO <sub>2</sub> : 1.1
Temperature	Operating	°C	700		
	Peak		800		

### General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance
Basalt	★★★★★	★★★★★	★★★★★

### Available sleeves (thickness of the wall: 0.40 - 0.50 mm)

Section (mm)	Internal reference	Section (mm)	Internal reference
1.5	On request	8	On request
2	On request	9	On request
2.5	On request	10	On request
3	On request	12	On request
3.5	On request	14	1TEX007706
4	On request	16	1TEX010395
5	On request	18	On request
6	On request	20	1TEX008313
7	On request	22	1TEX006216

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