



## 4AC.094 Chopped fibre – Basalt

### Overview

Basalt fibre is an ecological and recyclable high-temperature material. Final Advanced Materials uses this fibre to manufacture products with greater resistance than those made from glass fibre. Thanks to their excellent mechanical properties and ease of wetting, chopped basalt fibres are ideal for composite applications.

### 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 chopped fibres

Length (mm)	Internal reference
3.2	1TEX002233
6.35	1TEX002234
12.7	1TEX002235
25.4	1TEX002236
50.8	1TEX002237
90	1TEX002238

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