



4AC.016 Felt – Basalt

Overview

Basalt fibre is a highly ecological high-temperature material. Final Advanced Materials uses this fibre to manufacture products with higher resistance than glass fibre products. Basalt fibre felts are made of fibres with a diameter ranging from 8 to 16 µm. They are fireproof and produce neither smoke nor toxic gases. Eco-friendly and recyclable, they are mainly used for electrical and thermal insulation.

Technical Data

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

General Data

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

Available felts

Thickness (mm)	Density (kg/m ³)	120	130
4		1TEX002257	
6			1TEX002258
8			1TEX002259
10			1TEX002260

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