



## 4AC.053 Fabric – Aramid

### Overview

Developed in the 60s, aramid fibres consist of yellow filaments about ten microns in diameter merged into threads. Made of para-aramid, these fabrics offer good resistance to tearing, abrasion and high temperatures (350 °C at operating temperature, 400 °C at peak temperature) as well as good chemical stability. They are mainly used for thermal insulation and fire protection.

### Technical Data

Properties		Unit	Value
Material			Aramid
Composition		%	100 % para-aramid
Temperature	Operating	°C	350
	Peak		400

### General Data

Material	Thermal resistivity	Mechanical strength	Chemical resistance	Comment
Aramid	★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★ Except for strong bases and acids	 To UV

### Applications

- Thermal insulation
- Safety curtains
- Heat resistant fire gloves
- Protective clothing and gear (fire and cut)
- Aprons



### Available fabrics

Basis weight (g/m <sup>2</sup> ) \ Thickness (mm)	0.6	1.7
	300	1TEX013124 Cross twill
480		1TEX004861 Twill 2-2

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