

EST™ G Paper

Product Data Sheet



Product Description

EST G Paper is a composite product relying on Morgan's Superwool® Plus Paper technology and glass fiber cloth with adhesive produced by lamination and sealing processes.

The glass fiber cloth provides good mechanical strength and protects the battery and people from fibers and dust. Meanwhile, the laminate possesses good ageing resistance properties listed in GB standards. The product is designed to protect the battery from external fire and heat.

Benefits

- Meets UL94 V-0 requirements
- Excellent finished surfaces
- Lightweight

Applications

- Pack level protection for lithium ion battery

Environmental & Health Safety

Superwool low bio-persistent fibres are exonerated and are not classified as carcinogenic by IARC or under any national regulations on a global basis. They have no requirements for warning labels under GHS (Globally Harmonised System for the classification and labelling of chemicals).

In Europe, Superwool fibres meet the requirements specified under NOTA Q of European Directive 67/548. All Morgan Advanced Materials Superwool low bio-persistent fibre products are therefore exempt from the classification and labelling regulation in Europe.

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Classification Temperature, °C (°F)	1100 to 1300 (2012 to 2372)
Density, kg/m ³ (pcf)	<500 (<31)
Thickness, mm (in)	1—6 (0.04—0.24)
Chemical Analysis, % weight basis after firing	
	Superwool® Plus Paper
Silica, SiO ₂	60—70
Calcium Oxide + Magnesium Oxide, CaO + MgO	30—37
Other	<3
	Glass Fibre Cloth with Adhesive
Glass fibre cloth	50—54
Acrylic adhesive with fire retardant	46—50

Whilst the values and application information in this datasheet are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials - Thermal Ceramics.