

Data Sheet Activated Carbon Cloth FM10 T150 S100

1. Product Description:

Woven Activated Carbon Cloth impregnated in an aqueous solution of potassium iodate (KIO₃) laminated on one side to a white nonwoven material

2. QA Release Specification:

Composition of product

Activated carbon cloth containing potassium iodate, black to grey in colour, consisting wholly of activated carbon fibres. Variation in colour is possible; however this does not affect the performance. Laminated on one side to a white viscose non-woven material, using a PE thermally fusible dot coating.

Surface Density (CCCD Internal Test method based on BS EN 12127)

The typical dry weight of the ACC shall be in the range 100 to 140 grams per square meter (gsm).

Activity, Static (CCCD Internal Test method)

The uptake of Ethyl Acetate vapour in dry air shall not be less than 33% w/w on the ACC material.

3. Other Typical Properties (not a specification requirement unless requested):

Thickness (CCCD Internal Test method based on BS EN ISO 5084)

The thickness shall be in the range 0.6 to 0.9mm.

Tensile breaking strength (CCCD Internal Test method based on BS EN ISO 13934-1)

The tensile breaking strength, in either warp or weft direction, shall not be less than 9 Newton per centimetre (N/cm).

4. Inspection and make-up requirements:

Standard roll size

Length 100 metres

Width 100 centimetres

Other roll lengths and widths are available on request

Core Size

32mm internal diameter cardboard cores (if slit 76mm diameter cores)

Joins

Individual pieces are end-to-end laminated using thermally fusible tape, to form continuous rolls, unless otherwise specified (A maximum of 6 joins per 100 metres).

Faults

Small faults are repaired with a 2cm disc of the appropriate grade of carbon cloth bonded over the fault with thermally fusible web. (Maximum 3 faults per metre permitted unless otherwise specified).

Packaging

Rolls are first wrapped in polythene sheet, then 'large bubble-wrap', and are finally wrapped in an outer wrapping of polythene tubing.

Labeling

A label shall be attached to each roll stating, where applicable:

A Customer

B CCCD Internal Reference Number

C Quantity

D Weight

Shelf Life

In optimum storage conditions* the adsorption capacity of the ACC will remain unaffected up to a period of five years from the date of despatch.

*Inert atmosphere free from odour/vapour at standard temperature and pressure, free from moisture and kept in original packaging.

5. Documentation:

The manufacturer Chemviron Carbon Cloth Division provides a Certificate of Conformance with all products. A Certificate of Analysis maybe supplied upon consideration, please contact sales for this information.

6. Quality Assurance:

The manufacturer Chemviron Carbon Cloth Division is registered as meeting the requirements of ISO9001 and ISO13485

7. Other:

The manufacturer Chemviron Carbon Cloth Division is also registered as meeting the requirements of ISO14001