

Specification for

Flammability of air cleaner elements for internal combustion engines

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the General Mechanical Engineering Standard Policy Committee (GME/-) to Technical Committee GME/14, upon which the following bodies were represented:

- British Compressed Air Society
- Engineering Equipment and Material Users' Association
- Motor Industry Research Association
- Society of Environmental Engineers
- Society of Motor Manufacturers and Traders Ltd.

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Foreword

This British Standard has been prepared under the direction of the General Mechanical Engineering Standards Policy Committee.

It specifies the requirements for flammability of flame proofed filter media and other materials used in the manufacture of air filter elements, when ignited under the severest operational conditions which could be expected in service.

WARNING. Appendix A specifies a method for the determination of filter element flammability involving fire tests and the use of a hazardous substance. Such tests should be conducted only by trained staff and adequate supervision should be provided. Precautions should be taken to safeguard the health of personnel conducting the tests against the risk of fire and the inhalation of smoke and toxic products of combustion.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

1 Scope

This British Standard specifies requirements for the flammability of materials used in the production of air filter elements for internal combustion engines. A method of determination of flaming time, afterglow and percentage of charring is given in Appendix A.

2 Definitions

For the purposes of this British Standard, the following definitions apply.

2.1

flaming time

the time during which burning occurs with a visible flame from ignition to extinction, expressed in seconds

2.2

afterglow

the time during which glowing is visible following self-extinction of the flame, expressed in seconds

2.3

charred area

the surface area enclosed by the extremity of flaming or glowing, following light brushing

3 Flammability requirements

3.1 General

When tested in accordance with Appendix A the material shall comply with 3.2, 3.3 and 3.4.

3.2 Flaming time

The flaming time shall be no greater than 200 s.

3.3 Afterglow

The afterglow shall be no greater than 230 s.

3.4 Charred area

The charred area shall be less than 1 % of the total area of the media.