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BRITISH STANDARDS INSTITUTION

BRITISH STANDARDS HOUSE, 2 PARK STREET, LONDON, W.1

INCORPORATED BY ROYAL CHARTER

Telephone: MAYFAIR 9000

Telegrams: STANDARDS LONDON W1

BRITISH STANDARD : AUTOMOBILE SERIES SPECIFICATION FOR CELLULAR RUBBER COMPONENTS

FOREWORD

This British Standard, which is published under the authority of the Automobile Industry Standards Committee of the B.S.I., is based upon data-sheet SMMT NM-8B:1963 of the Society of Motor Manufacturers and Traders Ltd.

The majority of cellular rubber used in a motor vehicle is in the form of weatherseals having complicated cross sections, but the values quoted in this standard are for samples in sheet form or from plane sections not less than $\frac{1}{4}$ in thick, cut from components.

SPECIFICATION

SCOPE

1. This British Standard specifies requirements for cellular rubber components of the following types:
Cellular rubber No.1. Open cell type, generally known as sponge rubber.
Cellular rubber No.2. Closed cell type, generally known as expanded rubber.

A summary of the physical properties and an indication of typical applications of each type are given in Appendix E.

Three grades of rubber are specified for each type.

The standard does not deal with components made from latex foam rubber. These are covered in B.S.3157*.

SECTION ONE: GENERAL REQUIREMENTS

APPEARANCE AND FINISH

2. The surfaces of all components shall be smooth and free from irregularities, and from foreign matter likely to impair the appearance or to affect adhesion. The components shall maintain a satisfactory colour during their service life.

BONDING

3. Unless otherwise specified by the purchaser, components whose surfaces are to be bonded by means of an adhesive shall be free from 'live' skin on the relevant surfaces.

The compounding of the cellular rubber, in particular extruded synthetic rubber, shall be such that no ingredient will affect the efficiency of the adhesive used for bonding.

ORGANIC MATERIALS STAINING

4. Cellular rubber components shall not cause staining when in contact with paint surfaces or trim material. Testing shall be carried out in accordance with B.S.AU 111†.

*B.S. 3157, 'Latex foam rubber components for transport seating'.

†B.S.AU 111, 'Method of test for discoloration of organic finishes and plastics materials by rubber'.

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continued overleaf