

Specification for

Latex foam rubber components for transport seating

Co-operating organizations

The Rubber Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations.

- British Rubber Producers' Research Association*
- Federation of British Rubber and Allied Manufacturers*
- Institution of the Rubber Industry.
- Ministry of Supply*
- Natural Rubber Development Board
- Research Association of British Rubber Manufacturers*
- Rubber Growers Association

The Government departments and scientific and industrial organizations marked with an asterisk in the above list together with the following, were, directly represented on the committee entrusted with the preparation of this British Standard:

- British Latex Foam Manufacturers Association
- British Furniture Manufacturers Federated Associations
- British Transport Commission
- Furniture Development Council
- Society of Motor Manufacturers and Traders Ltd.

This British Standard, having been approved by the Rubber Industry Standards Committee and endorsed by the Chairman of the Chemical Divisional Council, was published under the authority of the General Council on 26 January 1960

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Contents

	Page
Co-operating organizations	Inside front cover
Foreword	ii
1 Scope	1
2 Classification	1
3 Materials	1
4 Construction	1
5 Surface condition	1
6 Odour	1
7 Colour	1
8 Freedom from deterioration during storage	1
9 Dimensions	2
10 Physical and chemical requirements	3
11 Marking	3
Appendix A Indentation hardness index	4
Appendix B Indentation set	5
Appendix C Pounding test	5
Appendix D Elongation at break	6
Appendix E Low temperature flexibility	6
Appendix F Grab test	6
Appendix G Organic materials staining	6
Appendix H Conditioning and test atmospheres	7
Appendix J Notes for designers	7
Appendix K Conditions of storage	7
Figure 1 — Apparatus for indentation test	8
Table 1 — Tolerances on length and width	2
Table 2 — Tolerances on thickness	2
Table 3 — Physical and chemical requirements	3

Foreword

This British Standard for latex foam rubber components for transport has been published under the authority of the Rubber Industry Standards Committee. Its object is to ensure a high quality without restricting manufacturers to any particular compound, process or design.

Special attention is drawn to notes for designers provided in Appendix J and on storage in Appendix K.

NOTE Where metric equivalents have been given, the figures in British units should be regarded as the standard. The metric equivalents are approximate. For more accurate conversions reference should be made to BS 350, "*Conversion factors and tables*".

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

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 articles made of latex foam rubber intended for use as components for transport seating.

This British Standard does not cover articles made from shredded latex foam rubber or articles consisting of a cover enclosing loose pieces of latex foam rubber.

2 Classification

The latex foam rubber shall be classified by its indentation hardness index, when determined by the method described in Appendix A, as follows:

<i>Hardness grade</i>	<i>Indentation hardness index</i>
A	8 – 10.5
B	10.5 – 14
C	14 – 17.5
D	17.5 – 22
E	22 – 27
F	27 – 33
G	33 – 41
H	41 – 50
J	50 – 60

3 Materials

Latex foam rubber shall be made directly from a liquid rubber latex of any type together with any suitable compounded ingredient by making a liquid foam, causing it to set and adequately vulcanizing it to produce a permeable, cellular rubber of substantially interconnected cells.

4 Construction

Latex foam rubber materials shall, wherever possible, be directly moulded. Where this is not possible they shall be fabricated or otherwise shaped. They may or may not have cavities moulded or fabricated in them. When an article is fabricated suitable adhesives and methods shall be used and all joints shall be at least as strong as the foam rubber itself.

The foam rubber structure excluding the skin shall be homogeneous and isotropic.

5 Surface condition

There shall be no loose skin on agreed significant surfaces. Mould parting marks and other surface blemishes shall conform to a standard agreed between purchaser and supplier on initial samples of actual components.

6 Odour

The odour of the components shall be as slight as possible, and shall not be objectionable.

7 Colour

The colour shall be as agreed between purchaser and supplier.

8 Freedom from deterioration during storage

When stored for a period not exceeding three months under the conditions detailed in Appendix K, components shall still meet the requirements of the standard.