

Methods of test for

# Flexible cellular materials —

**Part 3: Method 8. Determination of  
creep**

**Method 9. Determination of dynamic  
cushioning performance**

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- British Plastics Federation
- British Railways Board
- British Rigid Urethane Foam Manufacturers' Association
- British Rubber Manufacturers Association
- Department of the Environment (Building Research Establishment)
- Furniture Industry Research Association
- Furniture, Timber and Allied Trades Union
- Ministry of Defence
- National Bedding Federation
- Phenolic Foam Manufacturers Association
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## Foreword

This Part of BS 4443 has been prepared under the direction of the Plastics Standards Committee and the Rubber Standards Committee as a revision of BS 4443-3:1975 which is withdrawn.

It comprises methods of test for determination of creep and dynamic cushioning performance of flexible cellular materials. Although both methods are intended primarily for use in quality assurance for packaging applications, notes have also been included in Appendix A and Appendix B as a guide to their use in obtaining design data. However, before extensive design testing is undertaken, users are recommended to consult BS 4618, in particular, Introduction: 1970, Section 1.1 and Subsection 1.1.1.

Attention is drawn to BS 4443-1 and BS 4443-2 which include methods covering the measurement of dimensions, apparent density, tensile strength and elongation at break, cell count, compression stress-strain characteristics, compression set and indentation hardness.

The method of test for the determination dynamic cushioning performance has been aligned with the corresponding international standard, ISO 4651, published by the International Organization for Standardization.

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### Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover 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.