BS 3757 : 1978
UDC 678.743.22 – 415

Specification for

Rigid PVC Sheet

Spécification de feuille rigide en polychlorure de vinyle

Spezifikation für unbiegsames PVC-Blech

Confirmed
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BSi
British Standards

Contents

Foreword

This British Standard has been prepared under the direction of the Plastics Standards Committee.

Part 1 of BS 3757 was first published in 1964 and Part 2 in 1965. In this revision the previous Parts 1 and 2 of the standard have been combined. Preferred thicknesses of sheet are given and SI units have been used. In this revision two of the types of sheet, types A2 and C2, previously included, have been deleted. This is because it is considered that it is not possible to lay down a single requirement relevant to all chemical contact application. For applications involving contact with chemicals refer to the note to table 1.

This standard includes tests that provide the basic data for the control of quality of rigid PVC sheet. Such data are not, however, necessarily suitable for design purposes.

The methods of test used in this standard are, as far as possible, those described in BS 2782.

The method of manufacture has an effect on certain properties, the most important being dimensional stability of the material at high temperatures (see table 3, note 3).

During 1973-4 several discussions took place in the Executive Board of BSI as a result of concern about potential fire hazards involved in the rapidly increasing use of many polymeric materials, especially for furnishing and construction purposes. Issues of great public importance were involved, relating in particular to the use of laboratory fire tests to define quality requirements, in view of the general lack of correlation between the results obtained in such small scale tests and the fire performance of materials and products in actual conditions of use.

The Executive Board decided that a detailed review of all the issues involved should be carried out as a matter of urgency, and that this should be comprehensive in scope rather than limited to polymeric materials. For this purpose an authoritative co-ordinating committee on fire tests was established. In the meantime certain general principles were laid down regarding the terminology and approach to be adopted in immediate revisions and amendments of the British Standards involving small scale fire tests. This British Standard has been drawn up to comply with these principles. Changes may be made at a later date as a result of the general review undertaken by the co-ordinating committee mentioned above.

Certification. Attention is drawn to the certification facilities described on the inside back cover of this standard.