

Code of practice for

A system of tolerances for the dimensions of plastics mouldings

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- British Plastics Federation
- British Telecommunications plc
- ERA Technology Ltd.
- Electrical Installation Equipment Manufacturers' Association (BEAMA Ltd.)
- Electronic Engineering Association
- Ministry of Defence
- Plastics and Rubber Institute
- Society of Motor Manufacturers and Traders Limited
- Telecommunication Engineering and Manufacturing Association

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Foreword

This code of practice has been prepared under the direction of the Plastics Standards Committee from a draft supplied by the Ministry of Defence and supersedes BS 2026:1953 which is withdrawn.

It recognizes deviations during manufacture arising from the following.

- a) Variation in dimensions due to processing. This depends on the uniformity of the moulding material, machine settings, mould temperature and deformation of the mould under pressure.
- b) The condition of the mould, i.e. manufacturing tolerances on mould dimensions, wear and variations in the position of moveable parts of the mould.

The tolerances recommended in this code of practice are based on the above considerations. They do not include reversible post-moulding dimensional changes due to thermal expansion/contraction or absorption/desorption of liquids and vapours, or permanent post-moulding dimensional changes caused by post-crystallization of the polymer or the relaxation of moulding stresses. Attention is drawn to the need to observe the tolerances selected for a particular component, as indicated in this code of practice, since to obtain tolerances smaller than those recommended will be likely to increase its cost significantly or be technically unattainable. Certainly great care is necessary in component design, mould design, material selection and production conditions to achieve finer tolerances than those recommended in this code of practice.

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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.