

Specification for

Electrical resistance of conducting and antistatic products made from flexible polymeric material

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- British Plastics Federation*
- British Rubber Manufacturers' Association*
- Chemical Industries Association
- Department of Industry (Chemicals and Textiles)
- Department of Industry (National Physical Laboratory)
- Department of the Environment (Building Research Establishment)
- Electrical and Electronic and Insulation Association (BEAMA)
- Electrical Installation Equipment Manufacturers' Association (BEAMA)
- Electrical Research Association*
- Engineering Equipment Users' Association
- Institution of Production Engineers
- Ministry of Defence*
- Plastics and Rubber Institute
- Post Office
- Royal Institute of British Architects
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- Rubber Growers' Association
- Society of Chemical Industry
- Society of Motor Manufacturers and Traders Limited
- The Malaysian Rubber Producers' Research Association

The 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:

- Association of Supervisory and Executive Engineers
- British Surgical Trades Association Incorporated
- Department of Health and Social Security
- National Coal Board
- Tyre Manufacturers' Conference (Service Committee)

This British Standard, having been prepared under the direction of the Plastics Standards Committee and the Rubber Standards Committee, was published under the authority of the Executive Board on 28 February 1978

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Foreword

This standard has been prepared under the direction of the Plastics Standards Committee and the Rubber Standards Committee. It was originally published in 1953 and was revised in 1958 and 1961. The early editions covered conducting and antistatic rubber products deriving their electrical conductivity from carbon black. The 1961 edition and the present document have been extended to cover all types of flexible polymers and to permit the electrical conductivity to be derived from substances other than carbon black.

This standard is based on the following three draft International Standards (ISO/DIS) amended in accordance with the United Kingdom comments submitted on these draft standards.

ISO/DIS 2878, *Antistatic and conductive rubber products — Determination of electrical resistance.*

ISO/DIS 2882, *Antistatic and conductive products for hospital use — Electrical resistance.*

ISO/DIS 2883, *Antistatic and conductive products for industrial use — Electrical resistance.*

In this revision the electrical requirements for hospital products have been segregated from those for industrial products. The list of industrial products has been augmented by the addition of synchronous belts, textile cots and aprons and by the expansion of the requirements for tyres, solid and pneumatic, for various applications. In addition the distinction made in the definitions in the earlier editions between conductive and antistatic products has been found to be misleading and has therefore been omitted from this revision.

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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.