

Visual imperfections in rubber products

Part 1: Vocabulary

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted to Technical Committee PRI/73, Industrial rubber products, upon which the following bodies were represented:

- British Rubber Manufacturers' Association Ltd.
- British Structural Bearings Manufacturers' Association
- Construction Confederation
- Department of the Environment, Transport and the Regions (Highways Agency)
- Institute of Biomedical Science
- Ministry of Defence
- Royal Society of Chemistry
- Tun Abdul Razak Research Centre
- University of North London

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Foreword

This part of BS 7918 has been prepared by Technical Committee PRI/73.

BS 7918 has been published in order to assist manufacturers and inspectors in making objective assessments of a product's conformity to a given specification. It is intended that BS 7918 will be published in three parts: part 1, a vocabulary of terms and illustrations of those terms by way of example; part 2, a system of sampling and inspection and part 3, a system of classifying imperfections into a scheme which can be tailored to the needs of the individual contract of supply or can be included within a manufacturer's quality control procedures. Parts 2 and 3 are currently in development.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 11 and a back cover.

1 Scope

This British Standard defines terms used to describe the visual imperfections sometimes found in rubber products. The vocabulary is supplemented by schematic drawings which illustrate the terms.

Imperfections in cellular products, for example gloss and colour imperfections, and instrumental methods of measurement are outside the scope of this standard, as are toroidal sealing rings (O-rings), for which reference should be made to BS 6442.

2 Terms and definitions

2.1

air entrapment

entrapment of large quantities of air between the rubber and mould surface producing a large, often single surface depression (see Figure 1)

NOTE 1 With certain rubbers, e.g. natural rubber, this is often accompanied by localized stickiness.

NOTE 2 Dulling of the surface around the air trap can also occur due to the burning effect of the localized hot air.

