

BRITISH STANDARD 3012 : 1970

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METRIC UNITS

**SPECIFICATION FOR
LOW AND INTERMEDIATE
DENSITY POLYTHENE SHEET
FOR GENERAL PURPOSES**

Confirmed

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BS 3012 : 1970

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THIS BRITISH STANDARD, having been approved by the Plastics Industry Standards Committee, was published under the authority of the Executive Board on 30 November, 1970.

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The Institution desires to call attention to the fact that this British Standard does not purport to include all the necessary provisions of a contract.

In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

A complete list of British Standards, numbering over 5000, fully indexed and with a note of the contents of each, will be found in the British Standards Yearbook, price £1. The BS Yearbook may be consulted in many public libraries and similar institutions.

This standard makes reference to the following British Standards:

- BS 572. Interchangeable conical ground glass joints
- BS 1792. One-mark volumetric flasks
- BS 1972. Polythene pipe (Type 32) for cold water services
- BS 1973. Polythene pipe (Type 32) for general purposes including chemical and food industry uses
- BS 2660. Colours for building and decorative parts
- BS 2746. PVC insulation and sheath for electric cables
- BS 2782. Methods of testing plastics
- BS 2919. Low and intermediate density polythene rod for general purposes
- BS 3978. Water for laboratory use
- BS 4646. High density polythene sheet for general purposes.

British Standards are revised, when necessary, by the issue either of amendment slips or of revised editions. It is important that users of British Standards should ascertain that they are in possession of the latest amendments or editions.

The following BSI references relate to the work on this standard:
Committee references PLC/9 and PLC/9/3
Draft for comment 67/29598

AMD 1006

**Amendment Slip No.1, published 11 August, 1972
to BS 3012:1970**

**Low and intermediate density polythene sheet
for general purposes**

Revised text

Clause 2.2.3 Pink. At the end of this clause add the following:
'or not more than 0.1% by mass of 1,1,3-tri-(5-*tert*butyl-4-hydroxy-2-methylphenyl)butane when tested by the method described in Appendix E.'

Clause 2.2.4 Brown. At the end of this clause add the following:
'or not more than 0.1% by mass of 1,1,3-tri-(5-*tert*butyl-4-hydroxy-2-methylphenyl)butane when tested by the method described in Appendix E.'

Delete the Note following this clause and substitute the following:
'NOTE. These antioxidants have been subjected to toxicity tests and have been found suitable for use in polythene sheet for external surgical appliances.'

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CO-OPERATING ORGANIZATIONS

The Plastics Industry Standards Committee, under whose supervision this British Standard was prepared, consists of representatives from the following Government departments and scientific and industrial organizations:

Board of Trade
British Electrical and Allied Manufacturers' Association
*British Plastics Federation
Electrical Research Association
*Engineering Equipment Users' Association
*Ministry of Defence, Army Department
*Ministry of Defence, Navy Department
*Ministry of Public Building and Works, Building Research Station
Ministry of Technology
*Oil Companies Materials Association
Plastics Institute
Post Office
*Royal Institute of British Architects
Royal Institute of Public Health & Hygiene
Rubber and Plastics Research Association of Great Britain
Society of Motor Manufacturers and Traders Ltd.
Surface Coating Synthetic Resin Manufacturers' Association

The Government departments and scientific and industrial 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:

Agrément Board
Associated Master Plumbers and Domestic Engineers
Association of Industrialized Building Component Manufacturers Ltd.
Association of Public Health Inspectors
British Chemical Plant Manufacturers' Association
British Mechanical Rubber Manufacturers' Association
British Rubber Manufacturers' Association Ltd.
British Waterworks Association
Chemical Industries Association
Copper Tube Fittings Manufacturers' Association
Dairy Engineers' Association
Food Manufacturers' Federation (Inc.)
Gas Council
Gas List Tube Association
Greater London Council
Institute of Brewing
Institute of Plumbing
Institution of Civil Engineers
Institution of Municipal Engineers
Institution of Public Health Engineers
Institution of Water Engineers
Lloyd's Register of Shipping
Milk Distributive Council
Ministry of Agriculture, Fisheries and Food
Ministry of Housing and Local Government
Ministry of Public Building and Works
National Coal Board
National Federation of Plumbers and Domestic Heating Engineers
National Institute for Research in Dairying
Plastic Pipe Manufacturers' Society
Royal Society for the Promotion of Health
Society of Builders' Merchants
Water Companies' Association
Water Research Association

BRITISH STANDARD SPECIFICATION FOR
LOW AND INTERMEDIATE
DENSITY POLYTHENE SHEET
FOR GENERAL PURPOSES

FOREWORD

This British Standard has been prepared under the authority of the Plastics Industry Standards Committee to meet the needs of industry for polythene sheet for use in welded fabrications incorporating low density polythene pipe (BS 1972* and 1973†), and low and intermediate density polythene rod (BS 2919‡) and for other purposes. It is based on a draft prepared by the British Plastics Federation.

This British Standard was first published in 1958. In the present revision the requirements in respect of composition have been changed to bring them into line as far as possible with those in BS 1972* and 1973†. The opportunity has been taken to express dimensions in metric units. However, to avoid possible confusion during the period of transition to full metric thinking it has been decided that the nominal thickness should be designated using the nominal thickness corresponding to the old values in inches.

A specification for high density polythene sheet is provided in BS 4646§.

Throughout this standard the name 'polythene' is used. It should be noted that this name is equivalent to the name 'polyethylene'.

* BS 1972, 'Polythene pipe (Type 32) for cold water services'.

† BS 1973, 'Polythene pipe (Type 425) for general purposes including chemical and food industry uses'.

‡ BS 2919, 'Low and intermediate density polythene rod'.

§ BS 4646, 'High density polythene sheet for general purposes'.