

METHODS OF TESTING NATURAL RUBBER LATICES

BS 1672 : 1972

THIS BRITISH STANDARD, having been approved by the Rubber Industry Standards Committee, was published under the authority of the Executive Board on 30 June 1972.

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BS 1672, Part 1, first published, June 1940, as part of BS 902.

First revision as BS 1672, Part 1, October 1950.

BS 1672, Part 2, first published, April 1954.

Revision and combination of BS 1672, Parts 1 and 2, published June 1972.

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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.

This standard makes reference to the following British Standards:

BS 410. Test sieves.

BS 733. Density bottles.

BS 1428. Microchemical apparatus.

Part B2. Ammonia distillation apparatus (Markham).

BS 1673. Methods of testing raw rubber and unvulcanized compounded rubber.

Part 2. Chemical analysis of raw natural rubber.

BS 1792. One-mark volumetric flasks.

BS 3397. Methods of testing synthetic rubber latices.

BS 3978. Water for laboratory use.

BS 4252. Method for the determination of the viscosity of rubber latices.

BS 4561. Method for determination of the surface tension of rubber latices.

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 RUC/10 and RUC/10/7.

Draft for comment 70/37870.

AMD 4961

**Amendment No. 1
published and effective from 31 July 1986
to BS 1672 : 1972**

Methods of testing natural rubber latices

Deletions

Contents. Delete the titles of clauses **5** and **12** and substitute '*Text deleted.*'

Clause 5. Alkalinity. Delete the entire text and substitute '*Text deleted.*
Superseded by BS 6057 : Part 3 : Section 3.3.'

Clause 12. KOH number. Delete the entire text and substitute '*Text deleted.*
Superseded by BS 6057 : Part 3 : Section 3.5.'

Amendment No. 2
published and effective from 28 September 1990
to BS 1672 : 1972

Methods of testing natural rubber latices

NOTE. This amendment deletes certain methods in BS 1672 : 1972. These methods have been revised and published separately in Parts and Sections of BS 6057.

Deletions and revised text

Page 2. In the list of British Standards referred to, insert the following after the reference to BS 4561.

‘BS 6057. Rubber latices

Part 2. Sampling

Part 3. Methods of test

Section 3.1 Determination of mechanical stability of
natural rubber latex concentrate

Section 3.2 Determination of total solids content

Section 3.4 Determination of dry rubber content

Section 3.6 Determination of volatile fatty acid number

Section 3.7 Determination of density of natural rubber
latices

Section 3.8 Determination of coagulum content (sieve
residue)

Section 3.10 Determination of surface tension

Section 3.11 Determination of viscosity of rubber latices

Section 3.12 Determination of boric acid content of natural
rubber latex concentrate

Section 3.13 Determination of sludge content’

Contents (as amended by Amendment No. 1). Delete the titles of clauses **2, 3, 4, 6, 7, 10, 11, 14, 15** and substitute ‘*Text deleted*’ in each case.

Clause 2. Sampling. Delete the entire text and substitute ‘2. *Text deleted*. Superseded by BS 6057 : Part 2.’

Clause 3. Total solids content. Delete the entire text and substitute ‘3. *Text deleted*. Superseded by BS 6057 : Section 3.2.’

Clause 4. Dry rubber content. Delete the entire text and substitute ‘4. *Text deleted*. Superseded by BS 6057 : Section 3.4.’

Clause 6. Mechanical stability. Delete the entire text and substitute ‘6. *Text deleted*. Superseded by BS 6057 : Section 3.1.’

Clause 7. Coagulum. Delete the entire text and substitute ‘7. *Text deleted.* Superseded by BS 6057 : Section 3.8.’

Clause 10. Sludge. Delete the entire text and substitute ‘10. *Text deleted.* Superseded by BS 6057 : Section 3.13.’

Clause 11. Volatile fatty acid number. Delete the entire text and substitute ‘11. *Text deleted.* Superseded by BS 6057 : Section 3.6.’

Clause 14. Boric acid content. Delete the entire text and substitute ‘14. *Text deleted.* Superseded by BS 6057 : Section 3.12.’

Clause 15. Density. Delete the entire text and substitute ‘15. *Text deleted.* Superseded by BS 6057 : Section 3.7.’

Clause 19. Surface tension. Delete the entire text and substitute the following:

‘19. SURFACE TENSION

Determine the surface tension in accordance with BS 6057 : Section 3.10.’

Clause 20. Viscosity. Delete the entire text and substitute the following:

‘20. VISCOSITY

Determine the viscosity in accordance with BS 6057 : Section 3.11.’

Amendment No. 3
published and effective from 15 December 1992
to BS 1672 : 1972

Methods of testing natural rubber latices

NOTE. This amendment deletes certain methods in BS 1672 : 1972. These methods have been revised and published separately in Parts and Sections of BS 6057 and BS 7164.

Deletions and revised text

Page 2 (as amended by Amendment No. 2). At the end of the list of British Standards referred to, insert the following.

‘Section 3.24 Preparation of dry films from natural rubber latex concentrate.

BS 7164. Chemical tests for raw and vulcanized rubber.

Part 21. Determination of nitrogen content.

Part 26. Methods for determination of manganese content.

Section 26.2. Sodium periodate photometric methods.

Part 27. Methods for determination of iron content.

Section 27.2. Photometric method.

Part 28. Methods for determination of copper content.

Section 28.2. Photometric method.’

Contents (as amended by Amendment No. 2). Delete the titles of clauses 8, 9, 16, 17 and 21 and substitute ‘*Text deleted*’ in each case.

Clause 8. Copper content. Delete the entire text and substitute ‘*Text deleted*. Superseded by BS 7164 : Section 28.2.’

Clause 9. Manganese content. Delete the entire text and substitute ‘*Text deleted*. Superseded by BS 7164 : Section 26.2.’

Clause 16. Iron content. Delete the entire text and substitute ‘*Text deleted*. Superseded by BS 7164 : Section 27.2.’

Clause 17. Nitrogen content. Delete the entire text and substitute ‘*Text deleted*. Superseded by BS 7164 : Part 21.’

Clause 21. Preparation of dry films. Delete the entire text and substitute ‘*Text deleted*. Superseded by BS 6057 : Section 3.24.’

