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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 2027

NATURAL RUBBER LATICES, EVAPORATED PRESERVED

SPECIFICATION

1st EDITION

March 1971

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 2027, *Natural rubber latices, evaporated preserved – Specification,* was drawn up by Technical Committee ISO/TC 45, *Rubber,* the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 2027, which was circulated to all the ISO Member Bodies for enquiry in May 1970. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Thailand
Austria	Israel	Turkey
Ceylon	New Zealand	U.A.R.
France	South Africa, Rep. of	United Kingdom
Germany	Spain	U.S.A.
Greece	Sweden	U.S.S.R.
Hungary	Switzerland	

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

FOREWORD

This ISO Recommendation requires reference to the following ISO documents :

ISO Recommendation R 35, *Determination of the mechanical stability of latex.*
ISO Recommendation R 123[1], *Sampling of latex.*
ISO Recommendation R 124[2], *Determination of total solids of latex.*
ISO Recommendation R 125[2], *Determination of alkalinity of latex.*
ISO Recommendation R 126, *Determination of dry rubber content of latex.*
ISO Recommendation R 506, *Determination of volatile fatty acid number of latex.*
ISO Recommendation R 706, *Determination of coagulum content of latex.*
ISO Recommendation R 1654[3], *Raw rubber and rubber latex – Determination of copper.*
ISO Recommendation R 1655[3], *Raw rubber and rubber latex – Determination of manganese.*
ISO Recommendation R 2005[3], *Natural rubber latices – Determination of sludge content.*

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(1) 2nd edition, 1968.
(2) 2nd edition, 1966.
(3) At present at the stage of Draft ISO Recommendation.

ISO Recommendation | R 2027 | March 1971

NATURAL RUBBER LATICES,

EVAPORATED PRESERVED

SPECIFICATION

1. SCOPE

This ISO Recommendation describes specifications for natural rubber latices which have been concentrated by evaporation. It does not apply to natural rubber latices which have been concentrated by centrifuging or creaming. Nor does it apply to latices from natural sources other than *Hevea brasiliensis*, or to compounded latex or vulcanized latex.

This ISO Recommendation covers requirements for evaporated natural rubber latices of the following types :

NR latex, type HA evaporated. Evaporated latex preserved with ammonia only or with ammonia together with other preservative(s), with an alkalinity of at least 1.5 %.

NR latex, type KHS evaporated. Evaporated latex preserved with potassium hydroxide and having a nominal total solids content of 73 %.

NR latex, type KLS evaporated. Evaporated latex preserved with potassium hydroxide and having a nominal total solids content of 68 %.

2. REQUIREMENTS

The latex should conform to the requirements given in the Table.

In the case of *NR latex, type HA evaporated*, the type and approximate quantity of any preservative(s) other than ammonia or formaldehyde should be stated. *NR latex, type HA evaporated* should not contain fixed alkali added at any stage in its production.

3. SAMPLING

The latex should be sampled by one of the methods described in ISO Recommendation R 123[1], *Sampling of latex*.

(1) 2nd edition, 1968.