Australian Standard™

Conveyor belting—Textile reinforced

Standards Australia

This Australian Standard was prepared by Committee RU-002, Conveyor and Elevator Belting. It was approved on behalf of the Council of Standards Australia on 14 November 2000 and published on 27 December 2000.

The following interests are represented on Committee RU-002:

Australasian Institute of Mining and Metallurgy

Australasian Plastics and Rubber Institute

Australian Chamber of Commerce and Industry

Australian Coal Association

Australian Industry Group

Bureau of Steel Manufacturers of Australia

Department of Mineral Resources, N.S.W.

Institute of Quarrying, Australia

Electricity Supply Association of Australia

Institution of Engineers, Australia

WorkCover New South Wales

Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia web site at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 99259.

Australian Standard™

Conveyor belting—Textile reinforced

Originated as part of AS B3—1929 and AS B6—1933.
Previous edition AS 1332—1991.
Fifth edition 2000.

COPYRIGHT

© Standards Australia International

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 3712 9

PREFACE

This Standard was prepared by the Standards Australia Committee RU-002, Conveyor and Elevator Belting to supersede AS 1332—1991, *Conveyor belting—Textile reinforced*.

This Standard was first published as part of the B-Mechanical Engineering series, being AS B3 published in 1929, with a second edition in 1944. AS B6 was first published in 1933 and revised in 1936 (both Standards being British Standards BS 490 of 1933, endorsed with Australian amendments). It was revised in 1966 and redesignated as AS B6.1.

AS B3 of 1944 and AS B6.1 of 1966 were amalgamated to become AS 1331 of 1974. This Standard was amalgamated with AS 1332 of 1974 (first published as AS B6.2 of 1969) and published as AS 1332 of 1982. The third edition was published in 1984, and the fourth edition in 1991.

The objective of this revision is to separate the fire resistant and antistatic requirements of Grade S belting from this Standard. These requirements are specified in AS 4606, *Fire resistant and antistatic requirements for conveyor belting used in underground coal mines* with a view to meeting the requirements of the N.S.W. Government relating to the administration of the *Coal Mines Regulation Act*.

Requirements such as those for impact resistance, resistance to gouging, tensile fatigue, flexing and coefficient of friction are yet to be considered, pending development of suitable test methods.

The main difference between this Standard and the 1991 edition is that requirements for fire-resistant and antistatic properties are no longer included, and Table 7 has been altered.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

CONTENTS

STANDARDS AUSTRALIA

Australian Standard
Conveyor belting—Textile reinforced

1 SCOPE

This Standard specifies requirements for conveyor belting with textile reinforcement, intended for use on conveyors using flat or troughed idlers and on slide bed or bucket elevators.

WARNING: BELTING MADE TO THIS STANDARD WILL NOT NECESSARILY BE ELECTRICALLY INSULATING AT ANY STAGE OF ITS LIFE AND MUST NOT, THEREFORE, BE USED AS AN INSULATOR FOR ELECTRICAL WORK.

NOTES:

1 Alternative methods for determining compliance with this Standard are given in Appendix A.

2 Guidelines and advice on information to be supplied at the time of placing an enquiry or an order are set out in Appendix B.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS		
1199		Sampling procedures and tables for inspection by attributes
1399		Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1334		Methods of testing conveyor and elevator belting
1334.1	Method 1:	Determination of length of endless belting
1334.2	Method 2:	Determination of thickness of belting and rubber covers across the width
1334.2A	Method 2A:	Determination of thickness of cover using an optical magnifier
1334.3	Method 3:	Determination of full thickness tensile strength and elongation of conveyor belting
1334.4	Method 4:	Determination of toughability of conveyor belting
1334.7	Method 7:	Determination of ply adhesion of conveyor belting
1334.8	Method 8:	Determination of resistance to tear propagation and resistance of carcass to tearing
1334.9	Method 9:	Determination of electrical resistance of conveyor belting
1334.10	Method 10:	Determination of ignitability and flame propagation characteristics of conveyor belting
1334.11	Method 11:	Determination of ignitability and maximum surface temperature of belting subjected to friction
1683		Methods of test for elastomers
1683.11	Method 11:	Tension testing of vulcanized rubber
1683.21	Method 21:	Rubber—Vulcanized—Determination of abrasion resistance using a rotating cylindrical device
1683.26	Method 26:	Rubber, vulcanized—Accelerated ageing or heat-resistance tests

© Standards Australia