

Australian Standard™

**Fire resistant and antistatic
requirements for conveyor belting
used in underground coal mines**

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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.
Electricity Supply Association of Australia
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee RU/2, Conveyor and Elevator Belting, in response to a request from the Department of Mineral Resources, N.S.W. for a minimum Standard for fire resistant and antistatic (FRAS) conveyor belting used in underground coal mines.

This Standard is the result of a consensus among the representatives on the Joint Committee to produce it as an Australian Standard.

Mandatory statements in notes to figures are deemed to be requirements of this Standard.

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.

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STANDARDS AUSTRALIA

Australian Standard

Fire resistant and antistatic requirements for conveyor belting used in underground coal mines

1 SCOPE This Standard sets out minimum safety requirements for fire resistant and antistatic (FRAS) conveyor belting for use in underground coal mines.

NOTES:

- 1 For other conveyor belting properties, reference should be made to AS 1332 and AS 1333.
- 2 Alternative methods for determining compliance with this Standard are given in Appendix A.

2 APPLICATION This Standard may be used for obtaining certification of compliance to fire resistant and antistatic requirements, as may be required by regulatory authorities.

3 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

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| 1199 | Sampling procedures and tables for inspection of attributes |
| 1332 | Conveyor belting—Textile reinforced |
| 1333 | Conveyor belting of elastomeric and steel cord construction |
| 1334 | Methods of testing conveyor and elevator belting |
| 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 |
| 1334.12 | Method 12: Determination of combustion propagation characteristics of conveyor belting |
| 1399 | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |

AS/NZS

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|------------|---|
| ISO 9000 | Quality management and quality assurance standards |
| ISO 9000.1 | Part 1: Guidelines for selection and use |
| ISO 9004 | Quality management and quality system elements |
| ISO 9004.1 | Part 1: Guidelines |
| HE 18 | Guidelines for third-party certification and accreditation |
| HE 18.23 | Guide 28: General rules for a model third-party certification scheme for products |

ISO

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|--------|---|
| 4589 | Plastics—Determination of burning behaviour by oxygen index |
| 4589-2 | Part 2: Ambient-temperature test |