Australian Standard®

Methods of testing conveyor and elevator belting

Method 13: Determination of indentation rolling resistance of conveyor belting

PREFACE

This Standard was prepared by the Standards Australia Technical Committee RU-002, Conveyor and Elevator Belting.

This Standard was developed based on the needs of conveyor belting manufacturers, belt conveyor designers and operators, to measure the indentation rolling resistance of conveyor belts of a given specification, at various speeds, ambient temperatures, idler roll diameters and loads that are representative of operating conditions. This Standard is intended to be used by conveyor belting manufacturers, belt conveyor designers and operators.

This Standard contributes to the measurement of energy savings to the bulk materials handling industry through the optimization of conveyor belt materials and construction.

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.

METHOD

1 SCOPE

This Standard sets out a test method to measure the indentation rolling resistance of conveyor belting used for the transportation of bulk materials.

This Standard includes conveyor belts for bulk material handling applications supported by flat or troughed idler rolls in accordance with EN ISO 15236-1, EN ISO 15236-2, AS 1332 and AS 1333. This Standard does not include conveyor belts for bulk material handling used in slide beds or bucket elevators.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS
1100 Technical drawing
1100.201 Part 201: Mechanical engineering drawing

1332 Conveyor belting—Textile reinforced