
**Rubber, vulcanized or
thermoplastic — Determination of
rebound resilience**

*Caoutchouc vulcanisé ou thermoplastique — Détermination de la
résilience de rebondissement*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

	Page
Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Pendulum method	2
5.1 Apparatus.....	2
5.1.1 General.....	2
5.1.2 Oscillatory device.....	3
5.1.3 System for following the motion of the hammer.....	3
5.1.4 Test piece holder.....	3
5.1.5 Temperature control.....	4
5.1.6 Adjustment of oscillatory device.....	5
5.2 Test pieces.....	6
5.2.1 Preparation.....	6
5.2.2 Dimensions.....	7
5.2.3 Measurement of dimensions.....	7
5.2.4 Number of test pieces.....	7
5.2.5 Time-interval between forming and testing.....	7
5.2.6 Conditioning.....	7
5.3 Temperature of test.....	7
5.4 Procedure.....	7
5.4.1 Thermal conditioning and mounting of test piece.....	7
5.4.2 Mechanical conditioning of test piece.....	8
5.4.3 Measurement of rebound resilience.....	8
5.4.4 Calculation and expression of results.....	8
5.5 Precision.....	8
5.6 Test report.....	8
6 Tripsometer method	9
6.1 Apparatus.....	9
6.1.1 General.....	9
6.1.2 Pendulum.....	10
6.1.3 System for following the motion of the disc.....	10
6.1.4 Test piece holder.....	11
6.1.5 Temperature control.....	12
6.1.6 Adjustment of oscillatory device.....	13
6.2 Test pieces.....	15
6.2.1 Preparation.....	15
6.2.2 Dimensions.....	15
6.2.3 Measurement of dimensions.....	15
6.2.4 Number of test pieces.....	15
6.2.5 Time-interval between forming and testing.....	15
6.2.6 Conditioning.....	15
6.3 Temperature of test.....	16
6.4 Procedure.....	16
6.4.1 Thermal conditioning and mounting of test piece.....	16
6.4.2 Mechanical conditioning of test piece.....	16
6.4.3 Measurement.....	16
6.4.4 Calculation and expression of results.....	16
6.5 Precision.....	17
6.6 Test report.....	17