
**Plastics film and sheeting —
Determination of impact resistance by
the free-falling dart method —**

**Part 2:
Instrumented puncture test**

*Film et feuille de plastiques — Détermination de la résistance au choc
par la méthode par chute libre de projectile —*

Partie 2: Essai avec appareil de perforation



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	4
5 Apparatus	5
5.1 General.....	5
5.2 Test device.....	5
5.2.1 General.....	5
5.2.2 Energy carrier.....	6
5.2.3 Striker.....	7
5.2.4 Clamping device.....	7
5.3 Instrument for measuring force and deflection.....	9
5.3.1 General.....	9
5.3.2 Force measurement sensor.....	9
5.3.3 Deflection measurement system.....	9
5.4 Thickness gauge.....	9
6 Test specimens	9
6.1 Sampling and preparation of test specimens.....	9
6.2 Number of test specimens.....	10
6.3 Conditioning of test specimens.....	10
7 Procedure	10
7.1 Test atmosphere.....	10
7.2 Measuring the thickness.....	10
7.3 Clamping the test specimen.....	10
7.4 Impact-penetration test.....	10
8 Calculation and expression of results	11
9 Precision	12
10 Test report	12
Annex A (informative) General remarks	14
Bibliography	15