ISO 180:2023-06 (E)

Plastics - Determination of Izod impact strength

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 2

5 Apparatus 2
5.1 Test machine 2
5.2 Micrometers and gauges 3

6 Test specimens 3
6.1 Preparation 3
6.1.1 Moulding and extrusion compounds 3
6.1.2 Sheets 6
6.1.3 Long-fibre-reinforced materials 6
6.1.4 Checking 6
6.1.5 Notching 6
6.2 Anisotropy 7
6.3 Shape and dimensions 7
6.3.1 General 7
6.3.2 Moulding and extrusion compounds 7
6.3.3 Sheet materials, including long-fibre-reinforced materials 7
6.4 Number of test specimens 8
6.5 Conditioning 8

7 Procedure 8

8 Calculation and expression of results 9
8.1 Unnotched specimens 9
8.2 Notched specimens 9
8.3 Statistical parameters 9
8.4 Significant figures 9

9 Precision 9

10 Test report 10

Annex A (informative) Precision statement 12

Bibliography 14