

DIN EN ISO 180:2020-03 (E)

Plastics - Determination of Izod impact strength (ISO 180:2019)

Contents	Page
European foreword	3
Foreword	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Principle	7
5 Apparatus	7
5.1 Test machine	7
5.2 Micrometers and gauges	7
6 Test specimens	7
6.1 Preparation	7
6.1.1 Moulding and extrusion compounds	7
6.1.2 Sheets	10
6.1.3 Long-fibre-reinforced materials	10
6.1.4 Checking	10
6.1.5 Notching	10
6.2 Anisotropy	10
6.3 Shape and dimensions	10
6.3.1 General	10
6.3.2 Moulding and extrusion compounds	11
6.3.3 Sheet materials, including long-fibre-reinforced materials	11
6.4 Number of test specimens	11
6.5 Conditioning	11
7 Procedure	11
8 Calculation and expression of results	12
8.1 Unnotched specimens	12
8.2 Notched specimens	13
8.3 Statistical parameters	13
8.4 Significant figures	13
9 Precision	13
10 Test report	13
Annex A (informative) Precision statement	15
Bibliography	17