

# DIN EN ISO 180:2023-09 (E)

## Plastics - Determination of Izod impact strength (ISO 180:2023 )

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
Foreword.....	4
Introduction.....	5
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Principle</b> .....	<b>7</b>
<b>5 Apparatus</b> .....	<b>7</b>
5.1 Test machine.....	7
5.2 Micrometers and gauges.....	8
<b>6 Test specimens</b> .....	<b>8</b>
6.1 Preparation.....	8
6.1.1 Moulding and extrusion compounds.....	8
6.1.2 Sheets.....	11
6.1.3 Long-fibre-reinforced materials.....	11
6.1.4 Checking.....	11
6.1.5 Notching.....	11
6.2 Anisotropy.....	12
6.3 Shape and dimensions .....	12
6.3.1 General.....	12
6.3.2 Moulding and extrusion compounds.....	12
6.3.3 Sheet materials, including long-fibre-reinforced materials .....	12
6.4 Number of test specimens.....	13
6.5 Conditioning.....	13
<b>7 Procedure</b> .....	<b>13</b>
<b>8 Calculation and expression of results</b> .....	<b>14</b>
8.1 Unnotched specimens .....	14
8.2 Notched specimens.....	14
8.3 Statistical parameters.....	14
8.4 Significant figures.....	14
<b>9 Precision</b> .....	<b>14</b>
<b>10 Test report</b> .....	<b>15</b>
<b>Annex A (informative) Precision statement</b> .....	<b>17</b>
<b>Bibliography</b> .....	<b>19</b>