

DIN EN ISO 178:2013-09 (E)

Plastics - Determination of flexural properties (ISO 178:2010 + Amd.1:2013) (includes Amendment :2013)

Contents		Page
1	Scope	5
2	Normative references	6
3	Terms and definitions	6
4	Principle	9
5	Test machine	9
5.1	General	9
5.2	Test speed	9
5.3	Supports and loading edge	10
5.4	Force- and deflection-measuring systems	10
5.5	Equipment for measuring the width and thickness of the test specimens	11
6	Test specimens	12
6.1	Shape and dimensions	12
6.2	Anisotropic materials	13
6.3	Preparation of test specimens	13
6.4	Specimen inspection	14
6.5	Number of test specimens	14
7	Atmosphere for conditioning and testing	14
8	Procedure	14
9	Calculation and expression of results	17
9.1	Flexural stress	17
9.2	Flexural strain	17
9.3	Flexural modulus	18
9.4	Statistical parameters	18
9.5	Significant figures	18
10	Precision	19
11	Test report	19
Annex A (informative) Precision statement		20
Annex B (informative) Influence of changes in test speed on the measured values of flexural properties		22
Bibliography		23