

ISO 178 – Flexural test on plastics

The standard for the determination of flexural properties, ISO 178, was last revised by the ISO TC 61 committee in 2019.

Repeatability within a single test laboratory, as often needed in case of quality control, as well as the reproducibility of test results measured according to this standard by different laboratories, maybe even in different countries, are among the main objectives of this standard. The description of procedures got more detailed in several aspects to improve its understandability.

The presentation shows major aspects of the test procedure and results evaluation, compares flexure and tensile tests and shows several typical sources of measurement errors.