

ISO 6721-9:2019 (E)

Plastics — Determination of dynamic mechanical properties — Part 9: Tensile vibration — Sonic-pulse propagation method

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Test device
5.1	Apparatus
5.2	Transducers
5.3	Transducer drive unit
5.4	Pulse arrival time measuring equipment
5.5	Temperature measurement and control equipment
6	Test specimens
6.1	General
6.2	Shape and dimensions
6.3	Preparation
7	Number of specimens
8	Conditioning
9	Procedure
9.1	Test atmosphere
9.2	Mounting the specimen
9.3	Performing the test
9.4	Varying the temperature
10	Calculation and expression of results
10.1	Symbols
10.2	Calculation of the longitudinal wave velocity
10.3	Calculation of the tensile storage modulus, E'
10.4	Significant figures
11	Precision
12	Test report
Annex A	(informative) Precision