

ISO 1432:2021 (E)

Rubber, vulcanized or thermoplastic — Determination of low-temperature stiffening (Gehman test)

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
6	Calibration
7	Test piece
7.1	Preparation of test piece
7.2	Conditioning of test piece
8	Procedure
8.1	Mounting of test piece
8.2	Stiffness measurements in liquid media
8.3	Stiffness measurements in gaseous media
8.3.1	General
8.3.2	Measurements
8.4	Crystallization
9	Number of tests
10	Expression of results
10.1	Torsional modulus
10.2	Relative modulus
10.3	Apparent torsional modulus of rigidity
11	Precision
12	Test report
Annex A	(normative) Calibration schedule
A.1	Inspection
A.2	Schedule
A.3	Calibration of torsion wire
Annex B	(informative) Precision
B.1	General
B.2	Precision results from the ITP
B.2.1	Programme details
B.2.2	Precision results