

ISO 6502-3:2018 (E)

Rubber — Measurement of vulcanization characteristics using curemeters — Part 3: Rotorless curemeter

Contents

	Foreword
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Apparatus
5.1	General
5.2	Dies
5.2.1	Seal plate
5.2.2	Seal
5.3	Die closure
5.4	Oscillation system
5.5	Torque-measuring system
5.6	Protective films
5.7	Heating and temperature control
6	Calibration
7	Test piece
8	Vulcanization temperature
9	Conditioning
10	Procedure
10.1	Preparation for test
10.2	Loading the curemeter
11	Expression of results
11.1	General
11.2	Torque values
11.3	Scorch time
11.4	Time to a percentage of full cure
11.5	Cure rate index
12	Precision
13	Test report
Annex A	(normative) Calibration schedule
A.1	Inspection
A.2	Schedule
Annex B	(informative) Practical examples of calibration for the various curemeters
B.1	Examples of calibration for torque
B.1.1	Wire-mass method
B.1.2	Torsional spring rod method
B.2	Oscillation angle

Annex C (informative) Precision

- C.1 General**
- C.2 Programme details**
- C.3 Precision results**

Page count: 20