

# ISO 10119:2020 (E)

## Carbon fibre — Determination of density

---

### Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Test specimens — General requirements
5	Conditioning and test conditions
6	Test methods
6.1	Method A: Liquid-displacement method
6.1.1	Principle
6.1.2	Apparatus and materials
6.1.3	Test specimen
6.1.4	Procedure
6.1.5	Expression of results
6.2	Method B: Sink/float method
6.2.1	Principle
6.2.2	Apparatus and materials
6.2.3	Test specimens
6.2.4	Procedure
6.2.4.1	Method B1
6.2.4.2	Method B2
6.2.5	Expression of results
6.3	Method C: Density-gradient column
6.3.1	Principle
6.3.2	Apparatus and materials
6.3.3	Test specimens
6.3.4	Procedure
6.4	Method D: Gas pycnometer method
6.4.1	Principle
6.4.2	Apparatus and materials
6.4.3	Test specimens
6.4.4	Procedure
7	Precision
8	Test report
Annex A	(normative) Preparation of the density-gradient column
A.1	Principle
A.2	Procedure
Annex B	(normative) Calibration of the measurement cell and expansion cell