



**International
Standard**

ISO 19350

**Recycled carbon fibre —
Determination of tensile strength
distribution and interfacial
shear strength of single filament
embedded in matrix polymer**

*Fibre de carbone recyclée — Détermination de la distribution
de la résistance à la traction et de la résistance au cisaillement
interfacial d'un filament unique noyé dans une matrice polymère*

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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms, definitions and symbols	1
3.1 Terms and definitions	1
3.2 Symbols.....	1
4 Principle	2
5 Tensile test machine and specimen	2
5.1 Tensile test machine	2
5.2 Grip.....	2
5.3 Microscope.....	2
5.4 Test specimens.....	2
5.5 Number of tests.....	4
6 Testing technique	4
6.1 Test procedure.....	4
6.2 Validity of the test.....	6
7 Calculation of results	6
7.1 Summary of measurement data.....	6
7.2 Calculation of tensile strength distribution.....	7
7.3 Calculation of interfacial shear strength.....	8
7.4 Validity of the test result.....	8
8 Reporting of test results	9
Bibliography	10

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This document was prepared by Technical Committee ISO/TC 61, *Plastic*, Subcommittee SC 13, *Composite and reinforced fibre*.

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Introduction

The properties of recycled carbon fibres are potentially different from those of the original virgin carbon fibres. Therefore, it is very important to evaluate the properties of recycled carbon fibres in order to reuse them as reinforcing fibres. The tensile strength distribution and interfacial shear strength of recycled carbon fibres are essential for the production of composite materials using recycled carbon fibres. This document describes how to measure the tensile strength distribution and interfacial shear strength of recycled carbon fibres.

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