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ICS 59.100.20
CCS Q53

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 3855-2005

Test method for resin content of carbon fiber reinforced plastics

碳纤维增强塑料树脂含量试验方法

(English Translation)

Issued on: March 31, 2026 **Implemented on: October 1, 2026**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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1 Foreword

GB/T 3855-2005 was issued by State Administration for Market Regulation, China National Standardization Administration on 31 March 2026 and has been in force since 1 October 2026.

It replaces the earlier edition GB/T 3855-1983.

The GB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

2 Scope Preview

This standard specifies the specimens, test apparatus and reagents, test procedures, calculations, test results and test reports, etc. in the test of resin content of carbon fiber reinforced plastics. This standard is applicable to carbon fiber reinforced plastics in which sulfuric acid may completely decompose the resin matrix under certain conditions without excessively corroding the fibers.

GB/T 3855-2005 falls under ICS 59.100.20, in the field of textile and leather technology.

This catalogue holds 1,332 other GB/T standards in that field.

In this catalogue, GB/T standards carry edition years from 1963 to 2026.

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3 Normative references

GB/T 1463 - Test methods for density and relative density of fiber reinforced plastics

4 About this standard

Sector: National Standard (Recommended)

Issued by: State Administration for Market Regulation, China National Standardization Administration

English translation: about 12 pages (approximate)

Chinese original: about 18,128 characters

5 Related standards

Other editions:

GB/T 3855-2026 (later edition)

GB/T 3855-1983 (earlier edition)

Standards on related subjects:

GB/T 26749-2022 - Carbon fibre-Determination of tensile properties of resin-impregnated yarn

GB/T 38887-2020 - Spherical graphite

GB/T 30836-2014 - Lithium titanium oxide and its carbon composite anode materials for lithium ion battery

GB/T 47406-2026 - Test method for the volume resistivity of carbon fibre reinforced composites

GB/T 47405-2026 - Test methods for the permeability of carbon fibre reinforcements used in liquid moulding

6 Classification and status

International classification (ICS): 59.100.20

Chinese Standard Classification (CCS): Q 53

Prefix GB/T: recommended standard.

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