

ICS 81.060.30
CCS Q 30



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 48117-2026

**Test method for flexural properties of continuous
fiber-reinforced ceramic composites at elevated temperatures**

连续纤维增强陶瓷基复合材料高温弯曲性能试验方法

(English Translation)

Issued on: August 28, 2026

Implemented on: March 1, 2027

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

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Foreword

GB/T 48117-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the China Building Materials Federation.

Classification: ICS 81.060.30; CCS Q 30.

1 Scope

This test method standard concerns the flexural properties of continuous fiber-reinforced ceramic matrix composites when tested at elevated temperatures. These materials are used where high heat and structural load occur together, for example in aerospace, energy and other demanding applications, and the document is intended for materials laboratories, composite manufacturers, research institutes and designers who need bending data at temperature.

It is a recommended national standard (GB/T), so conformity is voluntary unless a contract, specification or regulator calls for it. Using a published national method helps suppliers and customers compare results from different laboratories on the same footing, and it gives test houses a defined reference when reporting high-temperature bending behavior of these materials. It is a standalone test method for this material class and takes effect on 1 March 2027.