

GJB

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

中华人民共和国国家军用标准

FL 9360

GJB 1038.2A-2004

Replace GJB 1038.2-1990

**Non-destructive inspecting methods for fiber
reinforced composite**

Part 2: Radiographic testing

纤维增强复合材料无损检验方法

第 2 部分 X 射线照相检验

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Foreword

Non-destructive inspecting methods for fiber reinforced composite divided into two parts:

- Part 1: Ultrasonic testing;
- Part 2: Radiographic testing

This is Part 2 of *Non-destructive inspecting methods for fiber reinforced composite*.

This Part will replace GJB 1038.2-1990 *Non-destructive inspecting methods for fiber reinforced composite – Radiographic testing*. This Part is revised for scope, recommended radiographic testing, inspection process as well as inspection results, etc of GJB 1038.2-1990.

Annex A of this Part is informative annex.

This Part is proposed by China Aerospace Science and Technology Corporation.

This Part is under jurisdiction of the China Aerospace Standardization Research Institute.

Chief draft unit of this Part: 703 Research Institute of First Research Institute of China Aerospace Science and Technology Corporation.

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This Part was firstly issued on January, 1991, this is firstly revised.

Non-destructive inspecting methods for fiber reinforced composite

Part 2: Radiographic testing

1 Scope

This part sets the general requirements, inspection procedures and results for the processing of X-ray radiographic testing of fiber reinforced composite.

The part is applicable to X-ray radiographic testing for the internal defects of fiber reinforced composite products with the thickness of no more than 200 mm formed by lamination, mould pressing, squeezing, wrapping(including fiber wrapping and cotton wrapping) and hand pasting.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 4792	Basic health standards for radiological protection
GB 8703	Regulations for radiation protection
GB 16357	Radiological protection standard for industrial X-ray detection
GJB 1187	Radiographic testing
GJB 9712	Qualification and certification for nondestructive testing personnel
JB/T 7903	Industrial radiographic illuminators

3 General requirements

3.1 Personnel

3.1.1 The ray inspectors must obtain the relevant qualification certificates according to GJB 9712 or the relevant regulations and engage in the work corresponding to its technical qualification level.

3.1.2 The healthy condition of the ray inspectors shall conform to the relevant regulations in GB

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