

ICS 71.120
CCS G94

HG

**CHEMICAL INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

HG/T 6465-2026

**Non-metallic chemical equipment - Silicon carbide heat
exchange components**

非金属化工设备 碳化硅换 热部件

(English Translation)

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Foreword

HG/T 6465-2026 is a recommended industry standard of the People's Republic of China in the Chemical Industry sector, approved and issued by the Ministry of Industry and Information Technology on 16 April 2026, with effect from 1 November 2026.

It is administered by the National Technical Committee for Non-metallic Chemical Equipment Standardization.

Classification: ICS 71.120; CCS G94.

1 Scope

HG/T 6465-2026 covers silicon carbide heat exchange components used in non-metallic chemical equipment. It specifies raw materials, structural types and main dimensions, designation, requirements, test methods, inspection rules, marking, delivery documents, packaging, transport and storage. It applies to silicon carbide heat exchange components for silicon carbide heat exchangers, including silicon carbide heat exchange tubes, round-block hole-type silicon carbide heat exchange blocks and silicon carbide heat exchange plates, all referred to in the document as silicon carbide heat exchange components.

The standard is used by makers of silicon carbide heat exchangers and their components, chemical plant operators and purchasers who specify them, and testing and inspection bodies. It is voluntary, as the /T in the code shows. It was issued by the Ministry of Industry and Information Technology on 16 April 2026 and takes effect on 1 November 2026. It is a new standard.