

ICS 27.010
CCS F10



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

GB/T 48173-2026

Chemical looping combustion - Terms and definitions

化学链燃烧 术语和定义

(English Translation)

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Foreword

GB/T 48173-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 September 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 January 2027.

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 27.010; CCS F10.

1 Scope

Terms and definitions for chemical looping combustion are provided by this standard. Chemical looping combustion is a combustion approach in which a solid material carries oxygen between reaction stages, a concept discussed in connection with efficient energy conversion and carbon capture research.

Researchers, engineers in energy and power companies, equipment designers, technical writers, and translators who need to use consistent vocabulary are the likely readers. Standards that define terminology are often cited by other technical documents, which makes them a base layer for later work in the field. It is a recommended national standard (GB/T), so it is voluntary unless a contract or project adopts it.

As a vocabulary reference for an emerging energy technology, it is especially useful to foreign teams collaborating with Chinese institutes, who can check how each concept is named in the national system. It takes effect on 1 January 2027.