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**HG**

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

**中华人民共和国化工行业标准**

HG/T 3089-2001

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**Rubber mixture of O-ring seals for fuel**  
**燃油用 O 形橡胶密封圈材料**

**Issued on January 24, 2002**

**Implemented on July 01, 2002**

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**Issued by Ministry of Chemical Industry of the People's Republic of  
China**

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## Foreword

This Standard is established through modification of the recommended chemical industry standard HG/T 3089-1987 *Rubber Mixture of O-ring Seals for Fuel*. The main differences between This Standard and HG/T 3089-1987(1997):

——Remove "Manufactured by nitrile rubber" within the range

——For compression test method, adopt GB/T 7759-1996 *Rubber, Vulcanized or thermoplastic-Determination of compression set at ambient elevated or low temperatures*, adjust for indicators properly.

This Standard will replace HG/T 3089-1987 from the implementation date.

This Standard was proposed by State Bureau of Petroleum and Chemical Industry.

This Standard shall be under the jurisdiction of Technical Committee for Seal Products, National Technical Committee for the Standardization of Rubber and Rubber Products.

Responsible drafting organizations of This Part: Northwest Rubber & Plastics Institute, Chongqing Changjiang Rubber Plant and Liaoning Tieling Research & Design Institute of Rubber Industry.

Main drafters of This Standard: Cao Yuanli, Cao Xiaofeng, Dai Yanfen.

This Standard was published for the first time as the national standard GB 7527-1987 in 1987. In 1997, it was adjusted to be the recommended chemical industry standard and was renumbered as HG/T 3089-1987.

# Professional Standard of the People's Republic of China

## Rubber mixture of O-ring seals for fuel

HG/T 3089-2001

Replace HG/T 3089-1987(1997)

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### 1 Scope

This Standard specifies the requirements, sampling, test methods and the marking, labeling, packaging and storage of O-ring rubber seal materials for petroleum-based fuel system.

This Standard applies to O-ring rubber seal materials used for petroleum-based fuel system under -40~100°C.

### 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 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/T 528-1998 Rubber, vulcanized or thermoplastic--Determination of tensile stress-strain properties (eqv ISO 37: 1994)

GB/T 531-1999 Rubber-Determination of indentation hardness by means of pocket hardness meters (idt ISO 7619: 1986)

GB/T 1682-1994 Rubber, vulcanized — Determination of low-temperature brittleness (single test piece method)

GB/T 1690-1992 Rubber, vulcanized—Determination of the effect of liquids (neq ISO 1817: 1985)

GB/T 3512-1989 Rubber vulcanized--Accelerated ageing or heat-resistance test

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