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

中华人民共和国国家标准

GB/T 9129—2003

Replace GB/T 9129—1988

**Specifications of non-metallic flat gaskets
for pipe flanges**

管法兰用非金属平垫片

技术条件

(ISO 7483: 1991, Dimensions of gaskets for use with flanges to ISO 7005, NEQ)

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Specification of non-metallic flat gaskets for pipe flanges

1 Scope

This standard specifies the technical requirements, checking, package and storage of the non-metallic flat gaskets for pipe flanges.

This standard is applicable to the non-metallic flat gaskets for pipe flanges which is provided in GB/T 9126.

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/T 540 Test methods for oil-resisting compressed asbestos fibre jointing

GB/T 541 Test methods for asbestos-rubber sheets

GB/T 542 Test method for flexibility of asbestos-rubber sheets

GB/T 9126 Dimensions of non-metallic flat gaskets for pipe flanges

GB/T 12385-1990 Test method for sealability of gaskets for pipe flanges

GB/T 12621-1990 Standard test method for stress relaxation of gaskets for pipe flanges

GB/T 12622-1990 Standard test method for compressibility and recovery of gaskets for pipe flanges

3 Technical requirements

3.1 Materials

Material of non-metallic flat gaskets for pipe flanges is asbestos rubber plate¹, PTFE, non-asbestos rubber plate and rubber.

3.2 Performance

3.2.1 Chemical component, physical properties and mechanical properties of asbestos-packing gasket, PTFE gasket and rubber gasket should comply with the relevant provisions on materials; physical properties and mechanical properties of non-asbestos rubber plate should comply with the provisions in Table 1.

3.2.2 Test conditions and index of gasket compression ratio and resiliency should comply with the provisions of Table 2.

3.2.3 Test conditions and index of gasket stress relaxation rate should comply with the provisions of Table 3.

3.2.4 Test conditions and index of gasket leakage rate should comply with the provisions of Table 4.

¹ Necessary measures must be taken to avoid health hazard factors in the process of production and use of asbestos gasket.

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