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

GB/T 1411-2002

Replacing GB/T 1411-1978

**Dry, solid insulating materials -- Resistance test to
high-voltage, low-current arc discharges**

干固体绝缘材料 耐高电压、小电流电弧放电的试验

(English Translation)

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What this standard covers

This standard specifies test methods to provide the same insulating material when it is exposed to high voltage, low current arc discharge between them withstand the damage occurred in close proximity to the surface of the initial difference. Arcing and cause local thermal decomposition of chemical and corrosion and finally on the insulating material to form a conductive path. The severity of test conditions is increasing: the first few stages, a small current arc discharge repeatedly interrupted and to the later stages, the arc current progressively increases. Since this test method is easy to operate and test the required time is short, so it is suitable for initial screening material, check the impact of changes in material composition and quality control testing. The test method used in the past experience shows that thermosets reproducibility of test results is acceptable. While the thermoplastic material, a number of laboratory reports indicate that the test results in an unacceptably large deviations, which led to the recommended methods can not be applied thermoplastic materials testing.

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Standards quoted by this document

IEC 60112-1979; IEC 60212-1971; IEC 60587-1984; IEC 61302-1995