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

GB/T 6733-2025

Replacing GB/T 6733-1986

Vaseline for capacitor

电容器凡士林

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Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 6733-1986 "Vaseline for Capacitors". Compared with GB/T 6733-1986, the main differences are structural adjustments and editorial changes. Aside from the modifications, the main technical changes are as follows:

- a) The scope has been changed (see Chapter 1, Chapter 1 of the 1986 edition);
- b) Product categories have been added (see Chapter 4);
- c) The technical requirements and test methods for breakdown voltage have been added (see Table 1);
- d) The technical requirements and test methods for volume resistivity have been revised (see Table 1, Chapter 2 of the 1986 edition);
- e) Added technical requirements and test methods for color (see Table 1);
- f) The technical requirements and test methods for appearance have been removed (see Chapter 2 of the 1986 edition);
- g) The test method for dropping points has been changed (see Table 1, Chapter 2 of the 1986 edition);
- h) The technical requirements and test methods for freeze point have been added (see Table 1);
- i) The technical requirements and test methods for the molten state have been increased (see Table 1);
- j) The technical requirements and test methods for kinematic viscosity have been removed (see Chapter 2 of the 1986 edition);
- k) Added technical requirements and test methods for volume shrinkage rate (see Table 1);

l) The technical requirements and test methods for copper sheet corrosion have been added (see Table 1);

1 Scope

GB/T 6733-2025 is the Chinese national standard covering the petrolatum used to fill and seal capacitors - the drop point and the penetration, the acidity and the ash, the dielectric strength and the volume resistivity, and the absence of the impurities that would conduct across a winding. It replaces GB/T 6733-1986, a standard thirty-nine years old. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026, replacing GB/T 6733-1986.

This document specifies the product classification, technical requirements and test methods, sampling and batching, marking, packaging, transportation and storage of Vaseline for capacitors. and delivery acceptance. This document applies to capacitors made from petroleum fractions or Fischer-Tropsch synthetic wax paste, refined and blended with lubricating base oil. Vaseline. This document pertains to the insulation encapsulation of power capacitors, filter capacitors, tuning capacitors, and other similar products.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 259 Determination of water-soluble acids and bases in petroleum products

GB/T 260 Determination of water content in petroleum products by distillation method

GB/T 264 Determination of Acid Value of Petroleum Products

GB/T 507 Determination of Breakdown Voltage of Insulating Oil

GB/T 508 Determination of Ash Content in Petroleum Products

GB/T 3536 Determination of flash point and ignition point of petroleum products - Cleveland open cup method

GB/T 4756 Manual Sampling Method for Petroleum Liquids

GB/T 4929 Determination of dropping point of lubricating grease

GB/T 5096 Test method for corrosion of copper strips in petroleum products

GB/T 6540 Determination of Color of Petroleum Products

GB/T 31838.2 Dielectric and resistive properties of solid insulating materials - Part

2. Resistive properties (DC method) - Volume resistivity and bulk density Resistivity

NB/SH/T 0164 Rules for Packaging, Storage, Transportation and Delivery Acceptance of

Petroleum and Related Products NB/SH/T 0588 Determination of Volume Shrinkage Rate

of Petroleum Wax SH/T 0132 Determination of Freezing Point of Petroleum Wax SH/T 0229

Sampling Methods for Solid and Semi-Solid Petroleum Products

3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

4 Product Categories

Vaseline for capacitors is classified into three grades. No. 55, No. 45, and No. 35, based on its quality indicators of breakdown voltage, volume resistivity (25°C), and color.