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

GB/T 3402.2-2026

Replacing GB/T 3402.2-2010

**Plastics - Homopolymer and copolymer resins of vinyl chloride
- Part 2: Preparation of test samples and determination of
properties**

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(English Translation)

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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 is Part 2 of GB/T 3402 "Plastics - Homopolymers and Copolymers of Vinyl Chloride". GB/T 3402 has published the following...

part.

---Part 1: Naming Systems and Standards Foundations;

---Part 2: Sample preparation and performance determination.

This document replaces GB/T 3402.2-2010 "Plastics - Homopolymer and Copolymer Resins of Vinyl Chloride - Part 2: Sample Preparation and Performance Testing"

a) Added requirements for "sampling" (see 4.1);

b) The requirements for preparing the standard paste have been changed (see 4.2, 3.2 in the 2010 edition);

c) The method of performance measurement has been changed (see Chapter 6, Chapter 5 of the 2010 edition).

This document is modified to adopt ISO 24024-2:2021 "Plastics - Homopolymers and copolymers of vinyl chloride - Part 2: Specimen preparation and performance determination".

Certainly".

Compared with ISO 24024-2:2021, this document has undergone the following structural adjustments.

---The last paragraph of 4.2 corresponds to the last paragraph of 4.2 in ISO 24024-2:2021 in Table 1;

---Table 2 corresponds to Table 1 in ISO 24024-2:2021.

This document differs significantly from ISO 24024-2:2021. The relevant clauses are indicated in the margins using vertical markers.

Straight lines (|) are marked. A summary of these technical differences and their reasons can be found in Appendix A.

The following editorial changes have been made to this document.

---Added Appendix A (informative) "Technical differences between this document and ISO 24024-2:2021 and the reasons thereof".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Plastics Standardization (SAC/TC15).

1 Scope

This document describes the sample preparation and testing methods for determining the properties of polyvinyl chloride (PVC) resin, and specifies the sample condition adjustment procedures.

The section requires that the appropriate and necessary properties and test methods for characterizing PVC resins be listed.

This document applies to both homopolymer and copolymer vinyl chloride resins.

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 1632.2 Plastics - Determination of Viscosity of Dilute Solutions of Polymers Using Capillary Viscometer - Part 2: Polyvinyl Chloride Resins (GB/T 1632.2-2025, ISO 1628-2:2020, MOD) GB/T 2914 Determination of volatiles (including water) in homopolymers and copolymers of vinyl chloride (GB/T 2914-2008, ISO) GB/T 2915 Determination of conductivity of aqueous extract of polyvinyl chloride resin GB/T 2916 Sieve analysis of homopolymer and copolymer vinyl chloride resins using an air jet sieve apparatus (GB/T 2916-2007) ISO 4610:2001, MOD) GB/T 3400 Determination of plasticizer absorption at room temperature for general-purpose polyvinyl chloride homopolymer and

copolymer resins (GB/T 3400-2002, eqvISO 4608.1998) GB/T 4611 Determination of "Fish Eyes" in General-Purpose Polyvinyl Chloride Resin GB/T 6488 Determination of refractive index of liquid chemical products GB/T 7139 Determination of chlorine content in polyvinyl chloride homopolymers and copolymers (GB/T 7139-2023, ISO 1158.

1998, MOD)

GB/T 9345.5 Determination of ash content in plastics-Part 5: Polyvinyl chloride (GB/T 9345.5-2010, ISO 3451-5.

2002, IDT)

GB/T 9347 Determination of vinyl acetate in vinyl chloride-vinyl acetate copolymers GB/T 9348 Determination of Impurities and Foreign Particle Count in Polyvinyl Chloride Resin (GB/T 9348-2008, ISO 1265.

2007, MOD)

GB/T 9350 Determination of pH value of aqueous extract of homopolymer and copolymer polyvinyl chloride resins (GB/T 9350-2003, ISO) 1264.1980, IDT) GB/T 12004.4 Determination of apparent viscosity of polyvinyl chloride plasticized paste - Brookfield test method GB/T 15595 Test Method for Thermal Stability of Polyvinyl Chloride Resin - Whiteness Method GB/T 16613 Preparation of polyvinyl chloride (PVC) paste for testing plastics - Dispensor method (GB/T 16613-2008, ISO) GB/T 20022 Determination of apparent density of homopolymer and copolymer polyvinyl chloride resins (GB/T 20022-2005, ISO 60.

1977, MOD)