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

GB/T 40006.12-2025

**Plastics - Recycled plastics - Part 12: Poly(methyl methacrylate)
(PMMA) materials**

塑料 再生塑料 第12部分：聚甲基丙烯酸甲酯（PMMA）材料

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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 is Part 12 of GB/T 40006 "Plastics - Recycled Plastics". GB/T 40006 has already published the following parts.

- 1. General Rules;
- 2. Polyethylene (PE) Materials;
- 3. Polypropylene (PP) Materials;
- 4. Polyolefin Blend (MPO) Materials;
- 5. Acrylonitrile-Butadiene-Styrene (ABS) Materials;
- 6. Polystyrene (PS) and Impact-Resistant Polystyrene (PS-I) Materials;
- 7. Polycarbonate (PC) Materials;
- 8. Polyamide (PA) Materials;
- 9. Polyethylene terephthalate (PET) materials;
- 10. Polybutylene terephthalate (PBT) materials;
- 11. Polyvinyl Chloride (PVC) Materials;
- 12. Polymethyl methacrylate (PMMA) materials;

1 Scope

GB/T 40006.12-2025 is the Chinese national standard covering recycled acrylic - the characterisation of the regrind, the residual monomer and the yellowing that repeated processing brings, and the designation system that tells a moulder what he is actually buying. Part 12 of the recycled plastics series, first edition. It was issued on 2 December

2025 and has been in force since 1 July 2026, as a first edition. The document is under the responsibility of the China Petroleum and Chemical Industry Federation. This page is published from the official record of the 2025 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

1. Sampling Schemes Retrieved by Acceptable Quality Limit (AQL) for Lot-by-Lot Inspection

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 1033.1-2008 Determination of density of non-foamed plastics - Part

GB/T 1633-2025 Determination of Vicat Softening Temperature (VST) of Thermoplastic Plastics

GB/T 2410-2008 Determination of light transmittance and haze of transparent plastics

GB/T 2828.1 Sampling Procedures for Inspection by Attributes - Part

GB/T 2918 Standard Environment for Conditioning and Testing of Plastic Specimens

GB/T 3398.2 Determination of hardness of plastics - Part

4 Open-type Carbon Arc Lamp

GB/T 39812 Machining preparation of plastic specimens

GB/T 45090 Plastics - Labeling and marking of recycled plastics

GB/T 45091-2024 Requirements for Limits of Restricted Substances in Recycled Plastics

GB/T 46828.1 Determination of total transmittance of transparent plastic materials - Part