

ICS 87.080

CCS Y44



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

GB/T 13217.8-2009

Replacing GB/T 13217.8-1991

Test method for blocking resistance of liquid ink

液体油墨抗粘连检验方法

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Foreword

GB/T 13217 in this section instead of GB/T 13217.8-1991 "plastics gravure printing inks anti-adhesion test method test." This section GB/T 13217.8-1991 main differences are as follows:

- Text format prescribed GB/T 1.1-2000 been modified;
- Standard name was changed to "liquid ink anti-adhesion test methods";
- Ambient temperature index has been adjusted. This part is proposed by the China National Light Industry Council. This part of the National Standardization Technical Committee under the jurisdiction of the ink. Drafting this Part. Zhejiang Yong Chemical Co., Ltd. Yip's Ink (Zhongshan) Co., Ltd., Hangzhou Toka Ink Chemical Co., Ltd., Tianjin Toyo Ink Co., Ltd., Shanghai Modern Environmental Engineering Technology Co., Ltd. The main drafters of this section. Wu Min, Wushao Tang, Huangrong Hai, Zhang Jinmei, Wang Yaming. This part of the standard replaces the previous version of the case.
- GB/T 13217.8-1991. Liquid ink anti-adhesion test method

1 Scope

GB/T 13217.8-2009 is the Chinese national standard on test method for blocking resistance of liquid ink, in the field of paint and colour industries. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 19 March 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 87.080, CCS Y44. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

GB/T 13217 provisions of this part of the liquid ink anti-adhesion test method. This section applies to the apparent viscosity in the range of $0.05\text{Pa} \cdot \text{s} \sim 0.25\text{Pa} \cdot \text{s}$ (Tu 4 cup or measuring the viscosity in the range of 25s ~ 130s) Ink.

2 Normative references

The following documents contain provisions which, through reference

GB/T 13217 in this section, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 10335.1 coated paper and paperboard coated art printing paper (coated paper)

GB/T 13217.1 liquid ink color test method Principle

3 Fold the primary contact with the inner membrane obtained ink blots in a predetermined time, at a certain temperature and pressure, after a certain period of time, depending on the India Trace adhesions.

4 Tools and Materials

4.1 for different special liquid ink printing substrate.

4.2 Coated Paper. 157g/m² (in line with GB/T 10335.1).

4.3 palette knife.

4.4 wire bar. copper body (9 ± 0.05) mm, length 170mm, stainless steel wire winding portion length (100 ± 0.50) mm, steel 0.12mm, Tightly wound arranged neatly without gaps.

4.5 meter exhibition hand.

4.6 mm grid translucent paper. 20mm x 20mm.

4.7 glass. 20mm x 20mm x 2mm.

4.8 Weight.2000g.

4.10 electric blast oven. 25 °C ~ 300 °C.

4.11 cotton yarn.

4.12 scrubbing solvent. liquid inks of different systems using the same system only solvent.

5 Test conditions

Test should be carried out at (50 ± 1) °C conditions. Step 6 test

6.1 according to GB/T 13217.1 prepared proofs.

6.2 The proofs place after 2min, (the case of water-based ink film, the drying conditions were changed in the 59 °C ~ 61 °C blast drying oven

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