

Methods of test for
Adhesives —

Part B1: Determination of density

UDC 665.93:620.1 + 665.93:542.3:531.754

Foreword

The methods given in this Part of this British Standard cover both solid and liquid adhesives. The choice of method depends primarily on whether the adhesive is a solid or a liquid and also on the accuracy required.

Method 2 is the method most commonly used for hot melt adhesives. When method 1 is used, care should be taken to carry out the determination rapidly and thus reduce the swelling effects of the immersion liquids on the adhesive.

Since this Part of this British Standard was first published, the density balance method (method 4) has been deleted as redundant, and requirements have been added for balances of accuracies appropriate to the given methods.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 5 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

This British Standard, having been prepared under the direction of the Adhesives Standards Committee, was published under the authority of the Executive Board on 30 September 1978

© BSI 08-1999

The following BSI references relate to the work on this standard:
Committee reference ADC/9
Draft for comment 76/54250 DC

ISBN 0 580 10251 3

Amendments issued since publication

Amd. No.	Date of issue	Comments
6015	July 1989	Indicated by a sideline in the margin

Contents

	Page
Foreword	Inside front cover
1 Scope	1
2 References	1
3 Method 1. Density matching method	1
4 Method 2. Archimedes' principle method	1
5 Method 3. Weighing and measuring method	2
6 <i>Text deleted</i>	3
7 Method 5. Pyknometer method	3
8 Method 6. Variant of Archimedes' principle method	4
9 Method 7. Hydrometer method	4
10 Test report	4
Figure 2 — Gay-Lussac pyknometer	5
Figure 3 — Hubbard pyknometer	5
Figure 4 — Metal pyknometer	5
Table 1 — Details of methods	1