

Testing coated fabrics —

Part 24: Methods 27A and 27B. Methods for determination of abrasion resistance

IMPORTANT NOTE. It is recommended that this Part be read in conjunction with the information in Part 0 “Foreword and general introduction”.

Foreword

In preparing this Part of this British Standard consideration has been given to the various phenomena, which, although not a direct measure of abrasion resistance, are nevertheless related. In particular attention is drawn to the fact that materials having low values of kinetic coefficient of friction and which also exhibit a ratio of static to kinetic friction approaching unity, will generally have better resistance to abrasive wear than similar materials having a high coefficient of kinetic friction and a wide band between static and kinetic friction coefficients. In this regard reference can be made to BS 3424-10.

It has also to be borne in mind that materials that are particularly temperature sensitive, such as plasticized polyvinyl chloride (PVC), should be, as far as possible, protected from heat build-up during laboratory abrasion tests, if the results are to be representative of the use characteristics and if the test is not to suffer from poor reproducibility.

In addition, apart from the change in appearance following abrasion testing, some end products will require post abrasion performance testing in order to assess the extent to which the product will continue to fulfill its utilitarian role.

There is however no simple relationship between abrasion resistance and wear life and consequently it is inadvisable to extrapolate abrasion results as being too indicative of other factors.

As a consequence of these many considerations it is not possible to specify a single type of abrasion test that is universally applicable to all circumstances and so two methods have been selected. Attention is drawn however to a related scuff/snag test in method 34 of BS 3424-31.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 8, an inside back cover 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.

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