

Specifications for unused silicone insulating liquids for electrotechnical purposes

The European Standard EN 60836:2005 has the status of a
British Standard

ICS 29.040.10

National foreword

This British Standard is the official English language version of EN 60836:2005. It is identical with IEC 60836:2005. It supersedes BS 7704:1993 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/10, Fluids for electrotechnical applications, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this committee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 12, an inside back cover and a back cover.

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English version

**Specifications for unused silicone insulating liquids
for electrotechnical purposes
(IEC 60836:2005)**

Spécifications pour liquides isolants
silicones neufs pour usages
électrotechniques
(CEI 60836:2005)

Anforderungen an ungebrauchte
Silikonisierflüssigkeiten für
elektrotechnische Zwecke
(IEC 60836:2005)

This European Standard was approved by CENELEC on 2005-06-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 10/619/FDIS, future edition 2 of IEC 60836, prepared by IEC TC 10, Fluids for electrotechnical applications, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60836 on 2005-06-01.

This European Standard supersedes HD 565 S1:1993.

It includes the following major technical changes:

- a) the title has been modified;
- b) the scope has been adapted to meet the changes in the title;
- c) health, safety and environmental requirements have been revised in order to follow the environmental practice carried out for other insulating liquids. Isopropyl alcohol now replaces chlorinated dissolvents for cleaning test equipment;
- d) Clause 8 replaces Section 2 of HD 565 S1. In line with other TC 10 documents, EN ISO 2592 (ISO 2592, not modified) is now the only method specified for measuring fire point and EN 60814 (IEC 60814, not modified) for water content. Breakdown voltage measurement has now been transferred to EN 60156 (IEC 60156, not modified);
- e) Table 1 replaces Sheet 1 of HD 565 S1. Two technical changes have been made:
 - the minimum fire point is increased from 330 °C to 340 °C (in conformity with ASTM D4652) and recognizes also that the test values registered for production are even higher.
 - neutralization values have been reduced from 0,02 mg KOH/g to 0,01 mg KOH/g, in line with production test data.
- f) Annex A has been deleted.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60836:2005 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61039	NOTE	Harmonized as HD 618 S1:1992 (not modified).
IEC 61100	NOTE	Harmonized as EN 61100:1992 (not modified).

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