

DRAFT UGANDA STANDARD

Second Edition
2021

Footwear – Determination of heat insulation of granulated cork bottom filler for footwear



Reference number
DUS 631:2021

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Foreword

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- (a) a member of International Organisation for Standardisation (ISO) and
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The work of preparing Uganda Standards is carried out through Technical Committees. A Technical Committee is established to deliberate on standards in a given field or area and consists of key stakeholders including government, academia, consumer groups, private sector and other interested parties.

Draft Uganda Standards adopted by the Technical Committee are widely circulated to stakeholders and the general public for comments. The committee reviews the comments before recommending the draft standards for approval and declaration as Uganda Standards by the National Standards Council.

The committee responsible for this document is Technical Committee UNBS/TC 7, *Textiles, Leather, Paper and related products*, Subcommittee SC 2, *Leather and related products*.

This second edition cancels and replaces the first edition (US 631:2006), which has been technically revised:

The title was modified to “Footwear – Determination of heat insulation of granulated cork bottom filler for footwear”

The scope was modified to “This Uganda Standard specifies a method for the determination of heat insulation of granulated cork bottom filler for footwear”

Test method US 656 was replaced with ISO 17709 as a test method for sample preparation

Clause 7: The average of 16 temperature readings was replaced with average of 4 temperature readings

Footwear – Determination of heat insulation of granulated cork bottom filler for footwear

1 Scope

This draft Uganda Standard specifies a method for the determination of heat insulation of granulated cork bottom filler for footwear.

2 Normative references

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 17709, *Footwear — Sampling location, preparation and duration of conditioning of samples and test pieces*

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <http://www.iso.org/obp>

No terms and definitions are listed in this document.

4 Apparatus

- 4.1 Hot plate of size at least 60 mm by 60 mm which can be maintained at a temperature of $100\text{ °C} \pm 2\text{ °C}$
- 4.2 A sample of granulated cork bottom filler of nominal thickness 8 mm and in which is cut four (4) square holes each of size 50 mm by 50 mm
- 4.3 Surface thermometer of accuracy 1 °C in the range of $20\text{ °C} - 100\text{ °C}$

5 Preparation of specimens

From a rolled sheet of the sample, as prepared in ISO 17709, cut four (4) specimens each of size 50 mm by 50 mm.

6 Procedure

- 6.1 Heat the hot plate to 100 °C .

6.2 Place the sample of granulated cork bottom filler on the hot plate and position the four (4) specimens in the square holes.

6.3 Maintain the surface temperature of the hot plate at 100 °C.

6.4 After 1 h, use the thermometer to take the temperature of each of the four (4) specimens.

7 Evaluation

Calculate the average of the 4 temperature readings. Report as the heat insulation the difference between 100 °C and the average temperature.

Bibliography

US 631:2006, *Determination of heat insulation of granulated cork bottom filler for footwear*

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