



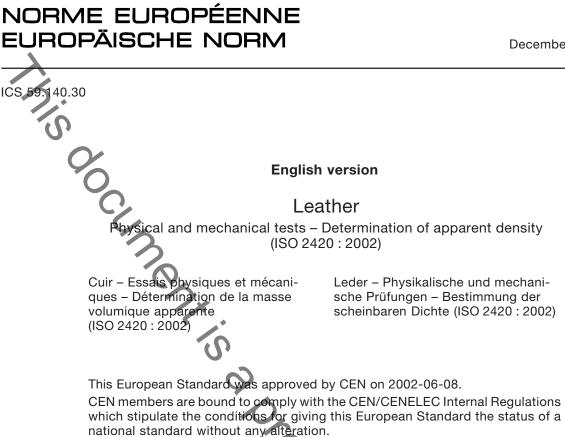
		~
EEGTI	STANDARDI	EEGGUNIA
E S II	STANDARDI	EESSUNA

NATIONAL FOREWORD

ESTISTANDARDI EESSONA	NATIONAL FOREWORD
Käesolev Eesti standard EVS-EN ISO 2420:2003 sisaldab Euroopa standardi EN ISO 2420:2002 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 2420:2003 consists of the English text of the European standard EN ISO 2420:2002.
Käesolev dokument on jõustatud 15.04.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 15.04.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.
Käsitlusala: This International Standard specifies a method for determining the apparent density of leather. It is applicable to all heavy leather	Scope: This International Standard specifies a method for determining the apparent density of leather. It is applicable to all heavy leather
ICS 59.140.30	
100 00.140.00	
Võtmesõnad: bulk density, leather, mecha	anical testing, physical testing, testing, tests

EN ISO 2420

December 2002



EUROPEAN STANDARD

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Management Centre or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

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

Management Centre: rue de Stassart 36, B-1050 Brussels

Foreword

International Standard

ISO 2420 : 2002 Leather – Physical and mechanical tests – Determination of apparent density,

which was prepared by ISO/TC 120 'Leather' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 289 'Leather', the Secretariat of which is held by UNI, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by June 2003 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 2420 : 2002 was approved by CEN as a European Standard without any modification as given above ionr is

Contents

		Page
Forev	word	
1	Scope	3
2	Normative references	3
3	Principle	
4	Apparatus	3
5	Sampling and sample preparation	3
6	Procedure	
7	Expression of results	
8		

OL TILS

1 Scope

This International Standard specifies a method for determining the apparent density of leather. It is applicable to all heavy leather.

2 Normative references

The following referenced documents are indispensable for the application 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 2418 Leather - Chemical, physical and mechanical and fastness tests - Sampling location

ISO 2419 Leather - Physical and mechanical tests - Sample preparation and conditioning

ISO 2589 Leather - Physical and mechanical tests - Determination of thickness

3 Principle

The volume of a circular test piece is calculated from the diameter and thickness, treating the test piece as a right angled circular cylinder. The apparent density is obtained by dividing the mass by the volume.

4 Apparatus

4.1 Press knife, the inner wall of which is a right angled circular cylinder approximately 70 mm in diameter, as specified in ISO 2419.

4.2 Thickness gauge, as specified in ISO 2589.

4.3 Balance, reading to 0,001 g.

4.4 Vernier callipers, reading to 0,1 mm.

5 Sampling and sample preparation

Sample in accordance with ISO 2418. From the sample, cut three test pieces by applying the press knife (4.1) to the grain surface and condition them in accordance with ISO 2419.

NOTE If there is a requirement for more than two hides or skins to be tested in one batch, then only one test piece need be taken from each hide or skin, provided that the overall total is not less than three test pieces.