

ICS 59.140.30

English version

**Leather - Upholstery leather characteristics - Guide for the  
selection of leather for automotive**

Cuir - Caractéristiques du cuir de garnissage - Guide pour  
la sélection de cuir pour l'automobile

Leder - Richtwerte für Polsterleder - Leitfaden zur Auswahl  
von Automobilleder

This Technical Specification (CEN/TS) was approved by CEN on 26 August 2004 for provisional application.

The period of validity of this CEN/TS is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the CEN/TS can be converted into a European Standard.

CEN members are required to announce the existence of this CEN/TS in the same way as for an EN and to make the CEN/TS available promptly at national level in an appropriate form. It is permissible to keep conflicting national standards in force (in parallel to the CEN/TS) until the final decision about the possible conversion of the CEN/TS into an EN is reached.

CEN members are the national standards bodies 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.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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

<b>Contents</b>		Page
Foreword.....		3
Introduction .....		4
1 <b>Scope</b> .....		5
2 <b>Normative references</b> .....		5
3 <b>Terms and definitions</b> .....		6
4 <b>General principles</b> .....		6
5 <b>Sampling</b> .....		6
6 <b>Conditioning and sampling preparation</b> .....		6
7 <b>Characteristics, test methods and recommended values</b> .....		6
8 <b>Test report</b> .....		6
<b>Annex A (normative) Characteristics, test methods and recommended levels for upholstery leather for automotive</b> .....		8
<b>Bibliography</b> .....		10

## Foreword

This document (CEN/TS 14906:2004) has been prepared by Technical Committee CEN/TC 289 "Leather", the secretariat of which is held by UNI.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this Technical Specification: 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.

This document is a preview generated by EVS

## Introduction

This document was prepared by CEN/TC 289 Leather in order to provide the leather and the automotive industries with guidelines on which seller and buyer can base their negotiations.

This document is a preview generated by EVS

## 1 Scope

This document gives guidelines for the test methods and recommended values for upholstery leather for automotive. This document also specifies the sampling and conditioning procedures of specimens.

## 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.

EN 14288, *Leather - Physical and mechanical tests - Determination of fogging characteristics*

EN 14326, *Leather - Physical and mechanical tests - Determination of resistance to horizontal spread of flame*

EN 14327, *Leather - Physical and mechanical tests - Determination of abrasion resistance of automotive leather*

EN ISO 2418, *Leather - Chemical, physical and mechanical and fastness tests - Sampling location (ISO 2418:2002)*

EN ISO 2419, *Leather - Physical and mechanical tests - Sample preparation and conditioning (ISO 2419:2002)*

EN ISO 3376, *Leather - Physical and mechanical tests - Determination of tensile strength and percentage extension (ISO 3376:2002)*

EN ISO 3377-1, *Leather - Physical and mechanical tests - Determination of tear strength - Part 1: Single edge tear (ISO 3377-1:2002)*

EN ISO 4044, *Leather - Preparation of chemical test samples (ISO 4044:1977)*

EN ISO 5402, *Leather - Physical and mechanical tests - Determination of flex resistance by flexometer method (ISO 5402:2002)*

EN ISO 11640, *Leather - Tests for colour fastness - Colour fastness to cycles of to-and-fro rubbing (ISO 11640:1993)*

EN ISO 11641, *Leather - Tests for colour fastness - Colour fastness to perspiration (ISO 11641:1993)*

EN ISO 11644, *Leather - Test for adhesion of finish (ISO 11644:1993)*

EN ISO 15700, *Leather - Tests for colour fastness - Colour fastness to water spotting (ISO 15700:1998)*

EN ISO 15701, *Leather - Tests for colour fastness - Colour fastness to migration into plasticized poly(vinyl chloride) (ISO 15701:1998)*

EN ISO 17233, *Leather - Physical and mechanical tests - Determination of cold crack temperature of surface coatings (ISO 17233:2002)*

EN ISO 17227, *Leather - Physical and mechanical tests - Determination of dry heat resistance of leather (ISO 17227:2002)*

ISO 105-B06, *Textiles - Test for colour fastness - Part B06: Colour fastness and ageing to artificial light and high temperatures: Xenon arc fading lamp test*

ISO 2588, *Leather - Sampling - Number of items for a gross sample*

ISO 17228, *Leather – Tests for colour fastness – Change in colour with accelerated ageing*

### **3 Terms and definitions**

For the purposes of this document, the definitions given in the "International Glossary of Leather Terms", issued by International Council of Tanners - Second Edition and the following definitions apply:

#### **3.1**

##### **upholstery**

seat and headrest

#### **3.2**

##### **trim**

armrest, dashboard, trim-panel, steering-wheel, gear-knob, etc.

### **4 General principles**

This document considers the performances of different types of leather intended for automotive upholstery, trims and steering-wheels/gear-knobs. The characteristics, test methods and recommended values are stated in Annex A.

### **5 Sampling**

**5.1** Laboratory samples shall be located and identified in accordance with EN ISO 2418.

**5.2** The number of leather samples shall be in accordance with ISO 2588, if not otherwise agreed by the parties.

### **6 Conditioning and sampling preparation**

Leather samples shall be conditioned and prepared for physical, mechanical and fastness tests in accordance with EN ISO 2419.

Leather samples for chemical tests shall be conditioned and prepared in accordance with EN ISO 4044.

### **7 Characteristics, test methods and recommended values**

The essential characteristics stated in Annex A shall all be taken into account, even if they can have different relative weight in the process of evaluation relative to use.

### **8 Test report**

The test report shall contain at least the following information:

a) reference to this document;