

|            |                                                                                                                                                      |                                        |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| <b>STN</b> | <b>Lepidlá na papier a lepenku, obaly a na jednorazové hygienické výrobky. Stanovenie trecích vlastností filmov potenciálne vhodných na lepenie.</b> | <b>STN<br/>EN 14713</b><br><br>66 8565 |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|

Adhesives for paper and board, packaging and disposable sanitary products - Determination of friction properties of films potentially suitable for bonding

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/16

Obsahuje: EN 14713:2016

Oznámením tejto normy sa od 28.02.2017 ruší  
STN EN 14713 (66 8565) z apríla 2006

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Úrad pre normalizáciu, metrológiu a skúšobníctvo SR, 2016  
Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 14713**

August 2016

ICS 83.180

Supersedes EN 14713:2005

English Version

**Adhesives for paper and board, packaging and disposable  
sanitary products - Determination of friction properties of  
films potentially suitable for bonding**

Adhésifs pour papier et carton, emballage et produits  
sanitaires jetables - Détermination des propriétés de  
frottement de films potentiellement adaptés au collage

Klebstoffe für Papier und Pappe, Verpackung und  
Hygieneprodukte - Bestimmung des  
Reibungsverhaltens potentiell klebefähiger Schichten

This European Standard was approved by CEN on 6 May 2016.

CEN 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 CEN-CENELEC Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## European foreword

This document (EN 14713:2016) has been prepared by Technical Committee CEN/TC 193 “Adhesives”, the secretariat of which is held by AENOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2017, and conflicting national standards shall be withdrawn at the latest by February 2017.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 14713:2005.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## Introduction

The friction behaviour is described by a characteristic coefficient of friction, independent of the test apparatus and test conditions. As the coefficient of friction of potentially adhesive films or layers may be a function of the normal force,  $F_N$ , and the contact surface and, in the case of dynamic friction, also of the relative speed and other dynamic parameters, these parameters have also been specified in this European Standard.

The tests can be carried out with the potentially adhesive layers sliding over themselves or coated side over the reverse side of a substrate or other surfaces of metals or plastics.

The coefficient of friction does not allow a comprehensive assessment to be made of the machinability on packaging or processing machines as under the conditions encountered in practice, the friction phenomena are generally accompanied by other effects, e.g. electrostatic charges, air cushion, local rise of temperature, abrasion, etc.

**SAFETY STATEMENT** — Persons using this document should be familiar with the normal laboratory practice, if applicable. This document does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any regulatory conditions.

**ENVIRONMENTAL STATEMENT** — It is understood that some of the material permitted in this standard may have negative environmental impact. As technological advantages lead to acceptable alternatives for these materials, they will be eliminated from this standard to the extent possible.

At the end of the test, the user of the standard should take care to carry out an appropriate disposal of the wastes, according to local regulation.

## 1 Scope

This European Standard specifies test methods to assess the coefficients of friction of potentially adhesive films or layers, such as coatings with reactivable adhesives, hot melts or waxes, for use with paper and board, packaging and disposable sanitary products.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1067, *Adhesives - Examination and preparation of samples for testing*

EN ISO 15605, *Adhesives - Sampling (ISO 15605:2000)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**