



SLOVENSKI STANDARD

SIST EN 15766:2009

01-november-2009

Embalaza - Prozne aluminijaste tube - Preskusne metode za določevanje polimerizacije notranjih prevlek z acetonom

Packaging - Flexible aluminium tubes - Test methods to determine the polymerization of the internal coating with acetone

Packmittel - Aluminiumtuben - Prüfverfahren zur Bestimmung der Polymerisation der Innenbeschichtung mit Aceton

Emballage - Tubes souples en aluminium - Méthodes d'essai visant à vérifier la polymérisation du revêtement interne à l'acétone

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Ta slovenski standard je istoveten z: **EN 15766:2009**

ICS:

55.120	Pločevinke. Tube	Cans. Tins. Tubes
77.150.10	Aluminijski izdelki	Aluminium products

SIST EN 15766:2009

en,fr,de

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EUROPEAN STANDARD

EN 15766

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2009

ICS 55.120

English Version

Packaging - Flexible aluminium tubes - Test methods to determine the polymerization of the internal coating with acetone

Emballage - Tubes souples en aluminium - Méthodes d'essai visant à vérifier la polymérisation du revêtement interne à l'acétone

Packmittel - Aluminiumtuben - Prüfverfahren zur Bestimmung der Polymerisation der Innenbeschichtung mit Aceton

This European Standard was approved by CEN on 23 April 2009.

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 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 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

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Foreword

This document (EN 15766:2009) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

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 November 2009, and conflicting national standards shall be withdrawn at the latest by November 2009.

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

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

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EN 15766:2009 (E)**1 Scope**

This standard specifies a method for the determination of the polymerization of the internal coating of aluminium tubes with acetone.

2 Principle

Epoxy phenolic internal coatings are mostly used as internal coating for aluminium tubes. Acetone is a good solvent for epoxy-phenolic coatings before polymerization. Polymerized epoxy-phenolic coatings are not soluble. Therefore, when the surface of the coating is rubbed with a piece of cotton wool soaked in acetone, if the coating has not been sufficiently hardened, there will be partial dissolution and a discharge on the cotton wool (colouring).

For non-epoxy phenolic coatings, the test method shall be mutually agreed upon by customer and supplier.

3 Test device/Test media

— Acetone CAS No. 67-64-1.

— Cotton wool.

4 Procedure

Cut the tube and flatten the cylindrical part.

Rub 10 ± 1 times up and down with a piece of cotton wool soaked in acetone with a pressure of approximately 10 N/cm^2 .

Check the colour of the cotton wool.

5 Evaluation of results

After rubbing, the coated surface shall not have become matt or sticky.

There should be no colouring of the cotton wool, nor any apparent reaction on the coated surface.

A slight coloration of the cotton wool can be accepted if no apparent reactions on the coated surface are detected.

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6 Test report

The test report shall contain the following information:

- a) reference to this standard and, if necessary, a specification for the method of sampling and acceptance of the batch;
- b) complete identification of the batch and of the tubes checked;
- c) date of production;
- d) number of tubes checked;
- e) number of defects;
- f) test result;
- g) all factors which could have affected the results or all operating details not specified in this standard;
- h) date, place of test and name of tester.

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