
Preskus zvarjenih spojev plastomernih polizdelkov - 6. del: Trgalni preskus pri nizki temperaturi

Testing of welded joints of thermoplastics semi-finished products - Part 6: Low temperature tensile test

Prüfen von Schweißverbindungen aus thermoplastischen Kunststoffen - Teil 6: Zugversuch bei tiefen Temperaturen

Essais des assemblages soudés sur produits semi-finis en thermoplastiques - Partie 6 : Essai de traction à basse température

Ta slovenski standard je istoveten z: EN 12814-6:2026

ICS:

25.160.40	Varjeni spoji in vari	Welded joints and welds
83.080.01	Polimerni materiali na splošno	Plastics in general

SIST EN 12814-6:2026**en,fr,de**

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 12814-6

September 2026

ICS 25.160.40

Supersedes EN 12814-6:2000

English Version

**Testing of welded joints of thermoplastics semi-finished
products - Part 6: Low temperature tensile test**

Essais des assemblages soudés sur produits semi-finis
en thermoplastiques - Partie 6 : Essai de traction à
basse température

Prüfen von Schweißverbindungen aus
thermoplastischen Kunststoffen - Teil 6: Zugversuch
bei tiefen Temperaturen

This European Standard was approved by CEN on 26 July 2026.

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.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2026 CEN All rights of exploitation in any form and by any means reserved
worldwide for CEN national Members.

Ref. No. EN 12814-6:2026 E

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms, definitions, symbols and abbreviated terms.....	4
4 Principle of the test.....	5
5 Sampling procedures	5
6 Dimensions of test specimens.....	6
7 Cutting of test specimens.....	8
8 Mechanical testing.....	8
9 Test equipment	8
10 Determination of the low temperature tensile welding factor	9
11 Test report	10
Annex A (informative) Recommended test speeds and maximum test temperatures	11

Sample Document

get full document from standards.iteh.ai

European foreword

This document (EN 12814-6:2026) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by SIS.

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 March 2027, and conflicting national standards shall be withdrawn at the latest by March 2027.

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 12814-6:2000.

This document includes the following significant technical changes with respect to EN 12814-6:2000:

- it has been clarified that if one test specimen yields, all of the test specimens cut from both the welded and unwelded test piece can be tested at a temperature/speed that generates brittle fracture, not just one specimen.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.