



**SLOVENSKI STANDARD**  
**SIST EN 2744:2001**

**01-junij-2001**

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**Aerospace series - Non metallic materials - Preferred test temperatures**

Aerospace series - Non metallic materials - Preferred test temperatures

Luft- und Raumfahrt - Nichtmetallische Werkstoffe - Vorzugsprüftemperaturen

Série aérospatiale - Matériaux non métalliques - Températures préférentielles d'essais

**Ta slovenski standard je istoveten z: EN 2744:1992**

[SIST EN 2744:2001](https://standards.iteh.ai/catalog/standards/sist/a781c3b0-3f6a-4b57-bd43-beba08c96bd3/sist-en-2744-2001)

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**ICS:**

49.025.40 Guma in polimerni materiali Rubber and plastics

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**en**

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EUROPEAN STANDARD

EN 2744:1992

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1992

UDC 620.22:620.1-97:629.7

Descriptors: Aircraft industry, non-metallic sections, preferred test temperatures

English version

**Aerospace series - Non metallic materials -  
Preferred test temperatures**Série aérospaciale - Matériaux non métalliques  
- Températures préférentielles d'essaisLuft- und Raumfahrt - Nichtmetallische  
Werkstoffe - Vorzugsprüftemperaturen**iTeh STANDARD PREVIEW  
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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### Foreword

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

National Standards indetical to this European Standard shall be published at the latest by 1992-09-30 and conflicting national standards shall be withdrawn at the latest by 1992-09-30.

According to the Common CEN/CENELEC Rules, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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STANDARDS INTERNATIONAL

## 1 Scope and field of application

This standard specifies the preferred test temperatures for non-metallic materials.

## 2 References

EN 2743, Aerospace series — Reinforced plastics — Standard procedures for conditioning prior to testing <sup>1)</sup>.

## 3 Temperatures and tolerances

See table.

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1) Published as AECMA pre-standard at the date of publication of the present standard.

Table

Temperatures in °C	Tolerances in K
- 249 - 196 - 161	3)
- 70 - 65 1) - 62 1) - 55 - 54 1) - 50 1) - 40 - 35 1) - 25 - 20 1) - 18 1) - 15 1) - 10 0 + 2 1) + 5 + 10 1) + 15 1) + 23 2) + 25 + 30 1) + 37 1) + 38 1) + 40 + 45 1) + 50 1) + 55 + 60 + 70 + 80 + 82 + 85 + 90 + 100	$\pm 3$

Table (continued)

Temperatures in °C	Tolerances in K
- 105 + 110 + 120 + 125 + 130 1) + 135 + 140 1) + 150 + 155 1) + 160 + 175 + 180 + 190 1) + 200	$\pm 3$
+ 220 1) + 225 + 230 1) + 260 + 275 + 300 1) + 315 1) + 320 1) + 350 + 400	$\pm 5$
+ 450 + 500 + 600 + 630 1) + 700 + 750 1)	$\pm 10$
+ 800 + 900 + 950 1) + 1000	$\pm 15$

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## Notes :

- 1) Temperatures for particular fields.
- 2) For the temperatures of the standard atmospheres for conditioning prior to testing, EN 2743 specifies an ordinary tolerance of  $\pm 2$  K and a reduced tolerance of  $\pm 1$  K. The same tolerances apply to the temperature of the standard atmosphere for testing.
- 3) Below  $- 75$  °C, the tolerances essentially depend on the equipment used.