

Aerospace series - Sampling plan for acceptance testing
of aramid, carbon fibre and textile glass filament yarns

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 3675:2022 sisaldab Euroopa standardi EN 3675:2022 ingliskeelset teksti.	This Estonian standard EVS-EN 3675:2022 consists of the English text of the European standard EN 3675:2022.
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English Version

Aerospace series - Sampling plan for acceptance testing of aramid, carbon fibre and textile glass filament yarns

Série aérospatiale - Plan d'échantillonnage pour le
contrôle de réception des fils continus d'aramide, de
carbone et de verre textile

Luft- und Raumfahrt - Prüfplan für die
Abnahmeprüfung von Aramid-, Kohlenstoff- und
Textilglasfilamentgarnen

This European Standard was approved by CEN on 24 July 2022.

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Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Acceptance sampling plan	4
4.1 Sampling.....	4
4.2 Evaluation.....	6
4.2.1 Inspection of visually detectable nonconformities	6
4.2.2 Measurable product characteristics	6
4.3 Laminate inspection	6
4.4 Test report.....	7
Bibliography	8

European foreword

This document (EN 3675:2022) has been prepared by the Aerospace and Defence Industries Association of Europe — Standardization (ASD-STAN).

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

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of an identical text or by endorsement, at the latest by June 2023 and conflicting national standards shall be withdrawn at the latest by June 2023.

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.

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1 Scope

This document specifies the sampling plan for acceptance testing of aramid, carbon fibre and textile glass filament yarns in terms of sample size and rejection criteria.

This document serves as a basis for the corresponding technical specification. It covers the inspection by attributes. The inspection by measurements (variables) will be added in subsequent edition. It is also planned to extend its scope of application to reinforcing woven fabrics.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 3951 (all parts), *Sampling procedures for inspection by variables*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Acceptance sampling plan

4.1 Sampling

Sampling shall be carried out in accordance with the sampling plan shown in Table 1. The testing procedures and the evaluation of results shall be specified in the relevant test standard.

The plan shown represents a sampling plan for reduced inspection by attributes in accordance with ISO 2859-1 (Table II-C) and is applicable to acceptance testing under normal conditions.

Special quality situations or particular quality requirements necessitate the application of sampling plans for normal (Table 2) or tightened inspection by attributes in accordance with ISO 2859-1 or also for inspection by variables in accordance with ISO 3951 (all parts).

Table 1 — Sampling plan for reduced inspection in accordance with ISO 2859-1, Table II-C

Delivery batch size (Spools)	Sample size (Spools)	Visually detectable nonconformities (Spools)		Measurable product characteristics (Spool values)		Laminate inspection Sample size (Spools)
N	n ₁	AQL 2,5		AQL 1,5		n ₂
		c ^a	d ^b	c ^a	d ^b	
2 to 25	2	0	1	0	1	2
26 to 50	3	0	1	0	1	2