STN

Letectvo a kozmonautika Teplom zmraštiteľné rúrky na viazanie, izoláciu a identifikáciu

Časť 203: Identifikačné rúrky z polyvinylidén fluoridu (PVDF) pre prevádzkové teploty od -55 °C do 225 °C Norma na výrobok STN EN 4708-203

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Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 203: polyvinylidene fluoride (PVDF) Identification sleeves - Operating Temperature range -55oC to 225oC - Product Standard

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. 04/23

Obsahuje: EN 4708-203:2022

STN EN 4708-203: 2023

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN 4708-203

December 2022

ICS 49.035; 49.060

English Version

Aerospace series - Sleeving, heat-shrinkable, for binding, insulation and identification - Part 203: polyvinylidene fluoride (PVDF) Identification sleeves - Operating Temperature range -55°C to 225°C - Product Standard

Série aérospatiale - Manchons thermorétractables, de jonction, isolement et identification - Partie 203 : Manchons d'identification en polyfluorure de vinylidène (PVDF) - Températures d'utilisation -55 °C à 225 °C - Norme de produit

Luft- und Raumfahrt - Wärmeschrumpfender Schlauch zur Befestigung, Isolierung und Identifizierung - Teil 203: Kennzeichnungsschlauch aus Polyvinylidenfluorid (PVDF), Betriebstemperaturbereich -55 °C bis 225 °C -Produktnorm

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

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

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European Foreword

This document (EN 4708-203:2022) 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of an identical text or by endorsement, at the latest by June 2023, and conflicting national standards shall be withdrawn at the latest by June 2023.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 [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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1 Scope

This document specifies the required characteristics for heat-shrinkable semi rigid polyvinylidene identification sleeves for use in aircraft electrical systems at operating temperatures between -55 $^{\circ}$ C and 225 $^{\circ}$ C.

This specification is for the characterisation of Identification sleeves only.

This sleeving is a semi rigid tough product and is suitable for use where high temperatures and extreme fluid resistance properties are required.

It is available with a shrink ratio of 2:1.

The product is normally supplied with internal diameters up to 38 mm.

The standard colours are white, black or yellow.

For use at temperatures above 200 °C black with white or silver ink is recommended.

Sizes or colours other than those specifically listed in this standard may be available. These items are considered to comply with this document if they comply with the property requirements listed in tables 2 and 3 except for dimensions and mass.

As the sleeving to be tested is a printed article the complete system is to be recorded as part of the evaluation. The sleeve will only be considered as meeting the requirements of this document if printed with the printer, ribbon/inks and settings referenced within the test report.

Mark adherence and print permanence are determined in this document using method EN 6059-407.

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.

EN 3909:2016, Aerospace series — Test fluids and test methods for electrical and optical components and sub-assemblies

EN 4708-001:2019, Aerospace series — Sleeving, heat-shrinkable, for binding, insulation and identification — Part 001: Technical specification

IEC 60684-1, Specification for flexible insulating sleeving — Part 1: Definitions and general requirements

IEC 60684-2:2011, Flexible insulating sleeving — Part 2: Methods of test

IEC 60757, Code for designation of colours

ISO 846:2019, Plastics — Evaluation of the action of microorganisms

ISO 1817:2022, Rubber, vulcanized or thermoplastic — Determination of the effect of liquids

ISO 11075, Aircraft — De-icing/anti-icing fluids — ISO type I

ISO 11078, Aircraft — De-icing/anti-icing fluids — ISO types II, III and IV

AMS1428, Fluid, Aircraft Deicing/Anti-Icing, Non-Newtonian (Pseudoplastic), SAE Types II, III, and IV1

¹ Published by SAE International (US) Society of Automotive Engineers (www.sae.org).

ASTM D740-11, Standard Specification for Methyl Ethyl Ketone²
MIL-PRF-87937, CLEANING COMPOUND, AEROSPACE EQUIPMENT³

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

² Published by ASTM International American Society for Testing and Materials (www.astm.org).

³ Published by DoD National (US) Mil. Department of Defense (http://www.defenselink.mil/).