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ICS 49.025.60

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AEROSPACE SERIES - NON-METALLIC MATERIALS - TEXTILES - WIDE WOVEN FABRICS - TECHNICAL SPECIFICATION

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EUROPEAN STANDARD

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English Version

Aerospace series - Non-metallic materials - Textiles - Wide woven fabrics - Technical specification

Série aérospatiale - Matériaux non-métalliques - Textiles - Tissus larges - Spécification technique

Luft- und Raumfahrt - Nichtmetallische Werkstoffe - Textilien - Gewebe - Technische Lieferbedingungen

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Foreword

This European Standard (EN 4416:2006) 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 Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, 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of an identical text or by endorsement, at the latest by February 2007, and conflicting national standards shall be withdrawn at the latest by February 2007.

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Introduction

This standard is part of the series of EN non-metallic material standards for aerospace applications. The general organization of this series is described in EN 4385. This standard is a level 2 document as defined in EN 4385.

1 Scope

This standard defines the requirements for manufacture, inspection and testing of wide woven fabrics for aerospace applications.

2 Normative references

The following referenced documents are indispensable for the application 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 105-B02, *Textiles — Tests for colour fastness — Part B02: Colour fastness to artificial light: Xenon arc fading lamp test.*

ISO 105-E01, *Textiles — Tests for colour fastness — Part E01: Colour fastness to water.*

ISO 105-X12, *Textiles — Tests for colour fastness — Part X12: Colour fastness to rubbing.*

ISO 2060, *Textiles — Yarn from packages — Determination of linear density (mass per unit length) by the skein method.*

ISO 2061, *Textiles — Determination of twist in yarns — Direct counting method.*

ISO 2062, *Textiles — Yarns from packages — Determination of single-end breaking force and elongation at break.*

ISO 5084, *Textiles — Determination of thickness of textiles and textile products.*

ISO 8498, *Woven fabrics — Description of defects — Vocabulary.*

ISO 13934-1, *Textiles — Tensile properties of fabrics — Part 1: Determination of maximum force and elongation at maximum force using the strip method.*

ISO 13935-1, *Textiles — Seam tensile properties of fabrics and made-up textile articles — Part 1: Determination of maximum force to seam rupture using the strip method.*

ISO 13937-4, *Textiles — Tear properties of fabrics — Part 4: Determination of tear force of tongue-shaped test specimens (Double tear test).*

ISO/IEC 17050 (all parts), *Conformity assessment — Supplier's declaration of conformity.*

EN 1049-2, *Textiles — Woven fabrics — Construction — Methods of analysis — Part 2: Determination of number of threads per unit length (ISO 7211-2:1984 modified).*

EN 1773, *Textiles — Fabrics — Determination of width and length.*

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