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Textile glass — Rovings — Basis for a specification

Verre textile — Stratifils — Base de spécification

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Products*, Subcommittee SC 13, *Composites and reinforcement fibres.*

This third edition cancels and replaces the second edition (ISO 2797:1986), of which it constitutes a minor revision. The changes compared to the previous edition are as follows:

— the normative references in Clause 2 have been updated;

— the structure of the document has been improved and the text has been editorially revised.

Introduction

A basis for a specification is intended to serve as a guide for the establishment of technical specifications for products of given type.

It is designed to enumerate as completely as possible the points that should be considered at the time of writing the specifications that will apply to a particular product or a family of products whose characteristics are very much related. These specifications may be established by a producer, a supplier, a user or a standardization organization.

Textile glass — Rovings — Basis for a specification

1 Scope

This document establishes a basis for a specification for textile glass rovings, whether direct rovings or assembled rovings.

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 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 178, *Plastics – Determination of flexural properties*

ISO 291, *Plastics — Standard atmospheres for conditioning and testing*

ISO 1887, *Textile glass — Determination of combustible-matter content*

ISO 1888, *Textile glass — Staple fibres or filaments — Determination of average diameter*

ISO 1889, *Reinforcement yarns — Determination of linear density*

ISO 2078:1993, *Textile glass — Yarns — Designation*

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 3344, *Reinforcement products — Determination of moisture content*

ISO 3375, *Textile glass — Determination of stiffness of rovings*

ISO 3597-2, *Textile-glass-reinforced plastics — Determination of mechanical properties on rods made of roving-reinforced resin — Part 2: Determination of flexural strength*

ISO 3597-3, *Textile-glass-reinforced plastics — Determination of mechanical properties on rods made of roving-reinforced resin — Part 3: Determination of compressive strength*

ISO 3951-1, *Sampling procedures for inspection by variables — Part 1: Specification for single sampling plans indexed by acceptance quality limit (AQL) for lot-by-lot inspection for a single quality characteristic and a single AQL*

ISO 9163, *Textile glass — Rovings — Manufacture of test specimens and determination of tensile strength of impregnated rovings*

ISO 14130, *Fibre-reinforced plastic composites — Determination of apparent interlaminar shear strength by short-beam method*

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:

— IEC Electropedia: available at http://www.electropedia.org/