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Textile glass — Yarns — Designation

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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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

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For an explanation of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 13, *Composites and reinforcement fibres,* in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 249, *Plastics,* in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This sixth edition cancels and replaces the fifth edition (ISO 2078:1993), which has been technically revised. It also incorporates the Amendment ISO 2078:1993/Amd.1:2015. The main changes are as follows:

— three type of glass used in Table 1 have been added;

— one type of yarn in 4.1.2 has been added.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Textile glass — Yarns — Designation

1 Scope

This document specifies a system of designating textile glass yarns (including single, multiple-wound, folded (plied), cabled and textured yarns, strands, slivers and rovings) based on their linear density expressed in the tex system.

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 2, *Textiles — Designation of the direction of twist in yarns and related products*

ISO 472, *Plastics — Vocabulary*

ISO 1139, *Textiles — Designation of yarns*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2 and ISO 472 apply.

ISO and IEC maintain terminology 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 Designation of a yarn

4.1 Elements of the designation

4.1.1 General

This document shall be in accordance with the rules of the single-to-fold designation given in ISO 1139 to these textile glass products.

According to the specification given in ISO 1139, the designation of a yarn (single yarn, strand, sliver, roving) is a condensed technical description containing the following elements.

4.1.2 Glass used

One or several letters, to specify the glass used by the manufacturer (see Table 1).

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