

Third edition
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Textile glass — Chopped-strand and continuous-filament mats — Determination of average thickness, thickness under load and recovery after compression

*Verre textile — Mats à fils coupés et mats à fils continus —
Détermination de l'épaisseur moyenne, de l'épaisseur sous charge et
de la recouvrance après compression*



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

This third edition cancels and replaces the second edition (ISO 3616:2001), which has been technically revised. It also incorporates the Amendment ISO 3616:2001/Amd. 1:2017.

The main changes are as follows:

- an “Introduction” has been added;
- the sampling method (former Clause 6) has been deleted and subsequent clauses have been renumbered;
- the duration for conditioning test specimens has been changed to from at least 16 h to at least 2 h.

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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Introduction

Chopped-strand and continuous-filament mats are mainly used as reinforcement materials for polymer matrix composites. The average thickness, thickness under load and recovery after compression of the mat are the most basic parameters provided for the composites process design and the final product structure and size design.