



**BS 3496 : 1989**

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British Standard Specification for

# **E glass fibre chopped strand mat for reinforcement of polyester and other liquid laminating systems**

Mats en verre textile E à fils coupés pour le renforcement des stratifiés à base de polyester ou autres  
résines liquides — Spécifications

Glasfaserschnittmatten (E-Glas) zur Verstärkung in PE-Laminatsystemen

**British Standards Institution**

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## Foreword

This British Standard has been prepared under the direction of the Plastics Standards Policy Committee and supersedes BS 3496 : 1973, which is withdrawn.

In this revision the limit on strand length has been removed, the requirement to carry out a hot water extraction test by the BS 3266 method has been deleted and the field of application of the reinforcement has been widened to all thermosetting resins. The provision of selected and normal grades has been deleted, but a note has been included drawing users' attention to the availability of grades with tighter tolerances on the average mass per unit area than indicated in this standard. The definitions have been aligned with ISO 6355, published by the International Organization for Standardization (ISO). Also the requirement to test at specified frequencies has been removed (see appendix A).

Mats are available as powder or emulsion bound mats for use in the hand lay-up process, the matched die moulding process and the mechanical production of sheeting. The physical characteristics of the mat used in each application are decided largely by customer preference, and for this reason no attempt has been made to define them in this standard. Appendix B, which gives guidance on assessing the handling characteristics of chopped strand mat and is intended to assist the user to select the most suitable material for a given application, has been augmented.

NOTE. Unless the contrary is stated by the supplier, it may be presumed that the minimum storage life of the mat is one year, when stored in accordance with the manufacturer's instructions.

**Compliance with a British Standard does not of itself confer immunity from legal obligations.**