

Specification for

E glass fibre woven roving fabrics for the reinforcement of polyester and epoxy resin systems

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Plastics and Rubber Standards Policy Committee (PRM/-) to Technical Committee PRM/41, upon which the following bodies were represented:

- British Plastics Federation
- Department of Trade and Industry (National Physical Laboratory)
- ERA Technology Ltd.
- Ministry of Defence
- Society of British Aerospace Companies Limited
- Society of Motor Manufacturers and Traders Limited

This British Standard, having been prepared under the direction of the Plastics and Rubber Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 28 June 1991

© BSI 04-1999

First published June 1964
Second edition October 1974

The following BSI references relate to the work on this standard:
Committee reference PRM/41
Draft for comment 89/40294 DC

ISBN 0 580 19596 1

Amendments issued since publication

Amd. No.	Date	Comments

Contents

	Page
Committees responsible	Inside front cover
Foreword	ii
1 Scope	1
2 Definitions	1
3 Material	1
4 Designation	1
5 Fabric construction	1
6 Selection of a test sample	3
7 Packaging	3
8 Marking and identification	3
Appendix A Determination of the mass per unit area of woven roving fabrics	4
Appendix B Determination of the average number of warp and weft rovings per 100 mm	4
Appendix C Method for the determination of cross-breaking strength and for the preparation of the polyester laminate	5
Appendix D Recommendations for the ordering of non-standard fabrics	6
Figure 1 — Example of diagonal positioning of test specimens on a textile glass fabric sample	5
Table 1 — Construction of woven roving fabrics	2
Table 2 — Cross-breaking strength of woven roving fabric polyester resin laminates	2
Publications referred to	Inside back cover

Foreword

This British Standard has been prepared under the direction of the Plastics and Rubber Standards Policy Committee. It is a revision of the 1974 edition, which is superseded and withdrawn.

In this revision the opportunity has been taken to incorporate International Organization for Standardization (ISO) notation and definitions from ISO 472 and the scope has been extended to cover both polyester and epoxy resins. The committee intends at the next revision to extend the scope to include phenolic and other resins as the fabrics are now in use with phenolic resins and it is anticipated that sufficient data will have been accumulated for these laminates in the next few years.

NOTE Unless the contrary is stated by the supplier, it may be presumed that the minimum storage life of the glass fibre rovings is 1 year when stored in accordance with the manufacturer's instructions.

A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

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

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.