ISO 20337:2018 (E)

Fibre-reinforced plastic composites — Shear test method using a shear frame for the determination of the in-plane shear stress/shear strain response and shear modulus

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Test apparatus

5.1 Tensile test machine
5.1.1 General
5.1.2 Test speeds
5.1.3 Force indicator
5.2 Shear frame
5.3 Strain measurement
5.4 Micrometer

6 Test specimens

6.1 Shape and dimensions
6.2 Preparation of test specimens
6.3 Inspection of the test specimens
6.4 Number of test specimens
6.5 Conditioning of test specimens

7 Procedure

7.1 Test atmosphere
7.2 Determination of the test specimen thickness
7.3 Test speed
7.4 Data collection
7.5 Test termination
7.6 Failure mode

8 Calculation and expression of results

9 Test report

Page count: 12