

ISO 4385:2024-12 (E)

Plain bearings - Compression testing of bearing materials

Contents

Page

Foreword..... iv

1 Scope..... 1

2 Normative references..... 1

3 Terms and definitions..... 1

4 Symbols..... 1

5 Test equipment..... 3

6 Specimen shape and preparation..... 5

7 Test procedure..... 5

8 Test evaluation..... 7

 8.1 General..... 7

 8.2 Determination of the upper compressive yield stress..... 7

 8.3 Determination of the lower compressive yield stress..... 7

 8.4 Determination of compressive strain limits..... 8

 8.4.1 Determination of strain for coated specimen..... 8

 8.4.2 Determination of compressive strain limits for existing linear part of the stress strain curve..... 8

 8.4.3 Determination of compressive strain limits for non-existing linear part of the stress strain curve..... 8

 8.5 Determination of compressive stress at a specified maximum strain..... 9

 8.6 Determination of compressive strength..... 9

 8.7 Determination of compressive strain at fracture..... 9

 8.8 Bulging..... 10

9 Test report..... 10