
**Method for evaluation of tensile
properties of metallic superplastic
materials**

*Méthode de détermination des caractéristiques de traction des
matériaux métalliques superplastiques*

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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Symbols, terms and definitions	1
4 Principle	3
5 Test piece	4
6 Apparatus	5
6.1 Testing machine	5
6.2 Clamping device for test pieces	5
6.3 Heating apparatus	5
6.4 Atmosphere	5
6.5 Thermometric apparatus	5
7 Procedure	6
7.1 General	6
7.2 Method for clamping the test piece	6
7.3 Measurement of the test temperature	6
7.4 Application of the force	6
7.5 Method for dimensional measurement of test pieces	6
7.6 Method for determining the superplastic elongation	6
7.7 Determination of strain rate sensitivity exponent (<i>m</i> -value)	7
7.8 Determination of the <i>m</i> -value with the R-type test piece	8
8 Test report	10

Foreword

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The committee responsible for this document is ISO/TC 164, *Mechanical testing of metals*, Subcommittee SC 2, *Ductility testing*.

This second edition cancels and replaces the first edition (ISO 20032:2007) of which it constitutes a minor revision.

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Introduction

Superplastic forming requires the characterization of metallic superplastic materials. The tensile test specified in this International Standard permits the evaluation of superplastic properties, such as superplastic elongation, flow stress, strain rate sensitivity exponent (m -value), stress-strain relation and flow stress-strain rate relation.

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