
**Carbonaceous materials for the
production of aluminium — Cold and
tepid ramming pastes — Expansion/
shrinkage during baking**

*Produits carbonés utilisés pour la production de l'aluminium —
Pâtes de brasquage froides et tièdes — Expansion/rétrécissement
durant la cuisson*

iTeh standards
(<https://standards.iteh.ai>)
Document Preview

ISO 14428:2019

<https://standards.iteh.ai/catalog/standards/iso/45615cac-fc32-4259-bd59-efdabc323bbe/iso-14428-2019>



iTeh Standards
(<https://standards.itih.ai>)
Document Preview

ISO 14428:2019

<https://standards.itih.ai/catalog/standards/iso/45615cac-fc32-4259-bd59-efdabc323bbe/iso-14428-2019>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principle.....	1
5 Apparatus and materials.....	1
6 Samples.....	3
7 Procedure.....	3
7.1 Cleaning.....	3
7.2 Preparation of vitreous silica materials.....	4
7.3 Calibration.....	4
7.4 Test procedure.....	4
8 Results.....	4
8.1 Calculation of the correction term.....	4
8.2 Calculation of the expansion/shrinkage.....	5
8.2.1 Calculation of expansion or shrinkage for each temperature.....	5
8.2.2 Calculation of reference points.....	5
8.2.3 Calculation of shrinkage.....	5
9 Test report.....	7

Document Preview

ISO 14428:2019

<https://standards.itech.ai/catalog/standards/iso/45615cac-fc32-4259-bd59-efdabc323bbe/iso-14428-2019>