



**International
Standard**

ISO/ASTM 52940

**Additive manufacturing of
ceramics — Feedstock materials —
Characterization of ceramic slurry
in vat photopolymerization**

*Fabrication additive de céramiques — Matières premières
— Caractérisation de la barbotine de céramique en
photopolymérisation en cuve*

**First edition
2025-11**

Itch Standards
standards.itch.ai)
Document Preview

ISO/ASTM 52940:2025

<https://standards.itch.ai/catalog/standards/iso/e4b949d9-444f-4f6f-a190-92ccaa053c97/iso-astm-52940-2025>

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

ISO/ASTM 52940:2025

<https://standards.iteh.ai/catalog/standards/iso/e4b949d9-444f-4f6f-a190-92ecaa053c97/iso-astm-52940-2025>



COPYRIGHT PROTECTED DOCUMENT

© ISO/ASTM International 2025

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. In the United States, such requests should be sent to ASTM International.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11

Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

ASTM International
100 Barr Harbor Drive, PO Box C700
West Conshohocken, PA 19428-2959, USA
Phone: +610 832 9634
Fax: +610 832 9635
Email: khooper@astm.org
Website: www.astm.org

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Sampling and preparation of test sample	2
5 Slurry characterization	2
5.1 Ceramics content.....	2
5.2 Dynamic viscosity.....	2
5.3 Particle size distribution.....	3
5.4 Chemical composition of ceramic powders.....	4
5.5 Solid dispersion stability.....	5
6 Test report	5
Annex A (informative) Principle of the ceramics content	7
Annex B (informative) Characteristics and observation methods for changes in dispersion stability	8
Bibliography	9

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

[ISO/ASTM 52940:2025](https://standards.iteh.ai/catalog/standards/iso/e4b949d9-444f-4f6f-a190-92ecaa053c97/iso-astm-52940-2025)

<https://standards.iteh.ai/catalog/standards/iso/e4b949d9-444f-4f6f-a190-92ecaa053c97/iso-astm-52940-2025>