

---

---

**Textiles — Tests for colour fastness —  
Part X19:  
Colour fastness to rubbing (Gakushin  
test method)**

*Textiles — Essais de solidité des coloris —*

*Partie X19: Solidité des coloris au frottement (Méthode d'essai  
Gakushin)*

<https://standards.iteh.ai>  
Document Preview

[ISO 105-X19:2020](https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020)

<https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020>



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

[ISO 105-X19:2020](https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020)

<https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020>



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2020

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  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
Foreword .....	iv
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Principles</b> .....	<b>1</b>
<b>5 Apparatus</b> .....	<b>2</b>
<b>6 Test specimens</b> .....	<b>3</b>
<b>7 Procedure</b> .....	<b>3</b>
7.1 Dry rubbing test .....	3
7.2 Wet rubbing test .....	4
<b>8 Evaluation</b> .....	<b>4</b>
<b>9 Test report</b> .....	<b>4</b>
<b>Annex A (informative) Typical figure of rubbing meter with six rubbing fingers (Gakushin test method)</b> .....	<b>5</b>
<b>Annex B (informative) Precision data</b> .....	<b>6</b>
<b>Bibliography</b> .....	<b>11</b>

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

[ISO 105-X19:2020](https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020)

<https://standards.iteh.ai/catalog/standards/iso/2806553f-e9fb-4ba1-96bb-33b0d8ba6b47/iso-105-x19-2020>