



FINAL DRAFT International Standard

ISO/FDIS 18488

Polyethylene (PE) materials for piping systems — Determination of strain hardening modulus in relation to slow crack growth — Test method

*Matériaux polyéthylène (PE) pour systèmes de canalisations —
Détermination du module d'écrouissage en relation avec la
propagation lente de fissures — Méthode d'essai*

ISO/TC 138/SC 5

Secretariat: **NEN**

Voting begins on:
2025-07-24

Voting terminates on:
2025-09-18

[ISO/FDIS 18488](https://standards.iteh.ai/catalog/standards/iso/b217214a-372d-47a0-bcad-cbda5459fb5b/iso-fdis-18488)

<https://standards.iteh.ai/catalog/standards/iso/b217214a-372d-47a0-bcad-cbda5459fb5b/iso-fdis-18488>

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

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

ISO/FDIS 18488

<https://standards.iteh.ai/catalog/standards/iso/b217214a-372d-47a0-bcad-cbda5459fb5b/iso-fdis-18488>



COPYRIGHT PROTECTED DOCUMENT

© ISO 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.

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

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
6 Test specimens	3
6.1 Test specimen geometry and dimensions	3
6.2 Test specimen preparation	4
7 Test procedure	4
8 Data analysis	5
9 Test report	6
Annex A (informative) Strain hardening behaviour and the Neo-Hookean constitutive model	7
Bibliography	10

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

[ISO/FDIS 18488](https://standards.itih.ai/catalog/standards/iso/b217214a-372d-47a0-bcad-cbda5459fb5b/iso-fdis-18488)

<https://standards.itih.ai/catalog/standards/iso/b217214a-372d-47a0-bcad-cbda5459fb5b/iso-fdis-18488>