
**Plastics piping systems for water
supply and for drainage and sewerage
under pressure — Polyethylene (PE) —**

**Part 1:
General**

*Systèmes de canalisations en plastique destinés à l'alimentation
en eau et aux branchements et collecteurs d'assainissement sous
pression — Polyéthylène (PE) —*

Partie 1: Généralités





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	3
3.1 Geometrical terms.....	3
3.2 Material terms.....	5
3.3 Terms related to material characteristics.....	5
3.4 Terms related to service conditions.....	6
3.5 Terms related to joints.....	6
4 Symbols and abbreviated terms	7
4.1 Symbols.....	7
4.2 Abbreviated terms.....	7
5 Material	8
5.1 Material of the component.....	8
5.2 Compound.....	8
5.2.1 Additives and pigments.....	8
5.2.2 Colour.....	8
5.3 Physical characteristics of the compound.....	9
5.3.1 Characteristics of the compound in the form of granules.....	9
5.3.2 Characteristics of the compound in the form of pipe.....	10
5.4 Fusion compatibility.....	12
5.5 Classification and designation.....	13
6 Effects on water quality	13
Annex A (informative) Pressure reduction coefficient	14
Annex B (informative) Resistance to rapid crack propagation	15
Bibliography	17