



UL 1285

STANDARD FOR SAFETY

Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service

UL COPYRIGHTED MATERIAL –
NOT AUTHORIZED FOR FURTHER REPRODUCTION OR
DISTRIBUTION WITHOUT PERMISSION FROM UL



Documents

Document Sharing Hub

This document is only permissible for use by User of . 8/23/2016 1:19:24 PM

UL Standard for Safety for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented Polyvinyl Chloride (PVCO) for Underground Fire Service, UL 1285

Sixth Edition, Dated March 15, 2016

SUMMARY OF TOPICS:

This new edition of UL 1285 includes the following changes:

Added requirements to address non-encapsulated plastic materials used in joint seals

Clarification of intent of test pressure based on wall thickness and that samples need not contain a bell

Clarification of representative samples for multiple pressure classes of pipe

Added Manufacture Installation Instructions

The requirements are substantially in accordance with Proposal(s) on this subject dated September 11, 2015.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form by any means, electronic, mechanical photocopying, recording, or otherwise without prior permission of UL.

UL provides this Standard "as is" without warranty of any kind, either expressed or implied, including but not limited to, the implied warranties of merchantability or fitness for any purpose.

In no event will UL be liable for any special, incidental, consequential, indirect or similar damages, including loss of profits, lost savings, loss of data, or any other damages arising out of the use of or the inability to use this Standard, even if UL or an authorized UL representative has been advised of the possibility of such damage. In no event shall UL's liability for any damage ever exceed the price paid for this Standard, regardless of the form of the claim.

Users of the electronic versions of UL's Standards for Safety agree to defend, indemnify, and hold UL harmless from and against any loss, expense, liability, damage, claim, or judgment (including reasonable attorney's fees) resulting from any error or deviation introduced while purchaser is storing an electronic Standard on the purchaser's computer system.

This document is only permissible for use by User of . 8/23/2016 1:19:24 PM

No Text on This Page

This document is only permissible for use by User of . 8/23/2016 1:19:24 PM



March 15, 2016

1

UL 1285

**Standard for Pipe and Couplings, Polyvinyl Chloride (PVC), and Oriented
Polyvinyl Chloride (PVCO) for Underground Fire Service**

First Edition – January, 1982
Second Edition – March, 1991
Third Edition – April, 1995
Fourth Edition – April, 2001
Fifth Edition – July, 2008

Sixth Edition

March 15, 2016

This UL Standard for Safety consists of the Sixth Edition.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

UL's Standards for Safety are copyrighted by UL. Neither a printed nor electronic copy of a Standard should be altered in any way. All of UL's Standards and all copyrights, ownerships, and rights regarding those Standards shall remain the sole and exclusive property of UL.

COPYRIGHT © 2016 UNDERWRITERS LABORATORIES INC.

This document is only permissible for use by User of . 8/23/2016 1:19:24 PM

No Text on This Page

This document is only permissible for use by User of . 8/23/2016 1:19:24 PM

CONTENTS

INTRODUCTION

1 Scope	4
2 Units of Measurement	4
3 Components	4
4 Undated References	5
5 Glossary	5

CONSTRUCTION

6 Materials	5
7 Pipe Joints	6
8 Wall Thickness	6
9 Imperfections	6
10 Sealing Gaskets	6

PERFORMANCE

11 General	7
12 Elastomeric Parts	7
13 Sealing Gaskets and Plastic Components	8
14 Short-Term Hydrostatic-Pressure Test	9
15 Leakage Test for Joints	10
16 Assembly Test	10
17 Flattening Test	11
18 Impact Resistance Test	11
19 Material Tensile-Strength Test	11
20 Long-Term Hydrostatic-Pressure Test	11
21 Extrusion Quality Test	12
22 Pipe Intended for Potable Water Supply	12

MANUFACTURING AND PRODUCTION TESTS

23 General	12
24 Production-Line Hydrostatic-Pressure Test	12

MARKING

25 General	13
26 Pipe	14
27 Couplings	14
28 Rubber Gaskets	14

MANUFACTURING AND INSTALLATION INSTRUCTIONS

29 Installation Instructions	15
------------------------------------	----