

# IAPMO IGC 212-2019

## **Factory Applied Aluminum and Polyethylene or Crosslinked Polyethylene Coated SDR 9 PEX Tubing**



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## Preface

This is the seventh edition of IAPMO IGC 212, Factory Applied Aluminum and Polyethylene or Crosslinked Polyethylene Coated SDR9 PEX Tubing. This Standard supersedes IAPMO IGC 212-2009a, Factory Applied Aluminum and Polyethylene or Crosslinked Polyethylene Coated SDR9 PEX Tubing. The previous editions of this standard are: August 2004, July 2005, September 2005, December 2005, January 2009, December 2009

This Standard was developed by the IAPMO Standards Review Committee (SRC) in accordance with the policies and procedures regulating IAPMO industry standards development, Policy S-001, Standards Development Process. This Standard was approved as an IAPMO Industry Standard on December 16, 2019.

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- (3) *This standard was developed using an open process and in accordance with IAPMO Standards Policy S-001, Standards Development Process, which is available on the IAPMO Standards website ([www.IAPMOstandards.org](http://www.IAPMOstandards.org)).*
- (4) *During its development, this Standard was made available for public review, thus providing an opportunity for additional input from stakeholders from industry, academia, regulatory agencies, and the public at large. Upon closing of public review, all comments received were duly considered and resolved by the IAPMO Standards Review Committee.*
- (5) *This Standard was developed in accordance with the principles of consensus, which is defined as substantial agreement; consensus implies much more than a simple majority, but not necessarily unanimity. It is consistent with this definition that a member of the IAPMO Standards Review Committee might not be in full agreement with all sections of this Standard.*
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- (7) *IAPMO Standards are subject to periodic review and suggestions for their improvement will be referred to the IAPMO Standards Review Committee. To submit a proposal for change to this Standard, you may send the following information to the International Association of Plumbing and Mechanical Officials, Attention Standards Department, at [standards@IAPMOstandards.org](mailto:standards@IAPMOstandards.org) or, alternatively, at 4755 East Philadelphia Street, Ontario, California, 91761, and include "Proposal for change" in the subject line:*
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  - (b) *relevant section, table, or figure number, as applicable;*
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  - (d) *rationale for the change.*
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# IAPMO IGC 212-2019

## Factory Applied Aluminum and Polyethylene or Crosslinked Polyethylene Coated SDR9 PEX Tubing

### 1 Scope

#### 1.1 Scope

This Standard covers factory applied aluminum (AL) and polyethylene (PE) or crosslinked polyethylene (PEX) coated SDR9 crosslinked polyethylene (PEX) tubing and specifies requirements for materials, physical characteristics, performance testing, and markings.

#### 1.2 Alternative Materials

The requirements of this Standard are not intended to prevent the use of alternative materials or methods of construction provided such alternatives meet the intent and requirements of this Standard.

#### 1.3 Terminology

In this Standard,

- (a) "shall" is used to express a requirement, i.e., a provision that the user is obliged to satisfy to comply with the Standard;
- (b) "should" is used to express a recommendation, but not a requirement;
- (c) "may" is used to express an option or something permissible within the scope of the Standard; and
- (d) "can" is used to express a possibility or a capability.

Notes accompanying sections of the Standard do not specify requirements or alternative requirements; their purpose is to separate explanatory or informative material from the text. Notes to tables and figures are considered part of the table or figure and can be written as requirements.

#### 1.4 Units of Measurement

SI units are the primary units of record in global commerce. In this Standard, the inch/pound units are shown in parentheses. The values stated in each measurement system are equivalent in application, but each unit system is to be used independently. All references to gallons are to U.S. gallons.