

**INTERNATIONAL ASSOCIATION OF PLUMBING
AND MECHANICAL OFFICIALS**

IAPMO GUIDE CRITERIA

FOR

**POLYPROPYLENE-ALUMINUM-POLYPROPYLENE MULTILAYER PIPING SYSTEMS
FOR HOT- AND COLD- WATER**

IAPMO IGC 223-2007

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for Polypropylene-Aluminum-Polypropylene Multilayer Piping Systems for Hot and Cold Water, made up by pipes and fittings. Its purpose is to also serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials and manufacture; and to provide for identifying Polypropylene-Aluminum-Polypropylene Multilayer Piping Systems For Hot and Cold Water.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

2. SCOPE

- 2.1** This standard serves to supplement various standards such as the ASTM standards referenced in Section 3.1 of this document and CSA B137.0, CSA B138.9, CSA B18.10, and CSA B137.11 and covers the type of materials and other significant properties in addition to general description of materials used. Certain features of the markings for identification of the finished product are also given.
- 2.2** The Polypropylene-Aluminum-Polypropylene Multilayer Piping Systems for Hot and Cold Water, covered by this standard, is intended for use in all installations when installed in compliance with the Uniform Plumbing Code and/or the National Plumbing Code of Canada, and the manufacturers installation instructions.

3. REFERENCE STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.

ASTM A 240	Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
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