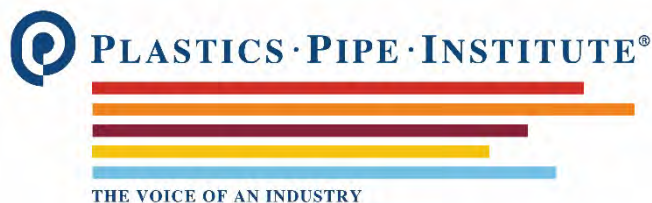


Model Specification For Polyamide 11 (PA-11) Plastic Pipe, Tubing and Fittings for Fuel Gas Distribution Systems

MS-4

2017



Foreword

MODEL SPECIFICATION FOR POLYAMIDE-11 (PA-11) PLASTIC PIPE, TUBING AND FITTINGS FOR FUEL GAS DISTRIBUTION SYSTEMS

The Plastics Pipe Institute (PPI) has prepared this model specification as a service to its members and the industry.

It is offered for use as a starting point and guide in developing appropriate final specifications suited to a particular project's needs. This report has been prepared by PPI as a service of the industry. The information in this report is offered in good faith and believed to be accurate at the time of its preparation, but is offered "as is" without any express or implied warranty, including WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Any reference to or testing of a particular proprietary product should not be construed as an endorsement by PPI, which does not endorse the proprietary products or processes of any manufacturer. Industry members in fulfilling their own compliance responsibilities offer the information in this report for consideration. PPI assumes no responsibility for compliance with applicable laws and regulations.

PPI intends to revise this report from time to time, in response to comments and suggestions from users of the report. Please send suggestions of improvements to PPI. Information on other publications can be obtained by contacting PPI directly or visiting the web site.

The Plastics Pipe Institute, Inc.

<http://www.plasticpipe.org>

This Model Specification was first issued in 2007 and revised in October 2017.

© 2017 The Plastics Pipe Institute, Inc.

MODEL SPECIFICATION FOR POLYAMIDE-11 (PA-11) PLASTIC PIPE, TUBING AND FITTINGS FOR FUEL GAS DISTRIBUTION SYSTEMS

1.0 INTRODUCTION

This Model Specification for PA-11 Plastic Pipe, Tubing and Fittings for Fuel Gas Distribution Systems has been developed by the Plastics Pipe Institute (PPI) to assist the utility user in developing his own specifications which will help to ensure that the products purchased will perform satisfactorily in the intended end use.

It is incumbent upon the utility user to have a working familiarity with the following regulations, standard specifications, and recommendations:

- US Department of Transportation Pipeline Safety Regulations, Code of Federal Regulations (CFR) Title 49, Part 192, "Transportation of Natural or Other Gases by Pipeline: Minimum Federal Safety Standards".
- ASTM D2513 - 1999 Standard Specification for Thermoplastic Gas Pressure Pipe, Tubing and Fittings.
- ASTM D4066 Classification System for Nylon Injection and Extrusion Materials (PA).
- ASTM D6779 Standard Classification System for Polyamide Molding and Extrusion Materials (PA).
- ASTM F1733 Standard Specification for Butt Heat Fusion Polyamide (PA) Plastic Fitting for Polyamide(PA) Plastic Pipe and Tubing.
- ASTM F1973 Standard Specification for Factory Assembled Anodeless Risers and Transition Fittings in Polyethylene (PE) and Polyamide 11 (PA11) Fuel Gas Distribution Systems.
- ASTM F2145 Standard Specification for Polyamide 11 (PA 11) Mechanical Fittings for Use on Outside Diameter Controlled Polyamide 11 Pipe and Tubing.
- ASTM F2600 Standard Specification for Electrofusion Type Polyamide-11 Fittings for Outside Diameter Controlled Polyamide-11 Pipe and Tubing.
- ASTM F2945 Standard Specification for Polyamide 11 Gas Pressure Pipe, Tubing, and Fittings.
- ASTM F2897 Standard Specification for Tracking and Traceability Encoding System of Natural Gas Distribution Components (Pipe, Tubing, Fittings, Valves, and Appurtenances).
- ANSI Z 221.3 / NFPA 54 National Fuel Gas Code.
- CSA-CAN B137.12-02 Polyamide Piping Systems for Gas Services.
- NFPA 58 Liquefied Petroleum Gas Code.