

GP 03-10-04	Plastic and Plastic-Lined Piping	November 2001
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Plastic and Plastic-Lined Piping

GP 03-10-04

Scope

[I] This Global Practice (GP) covers the materials, design, fabrication, inspection and testing of plastic and plastic-lined piping. It covers thermoplastic piping, thermoplastic lined ferrous metal piping, and reinforced thermosetting resin pipe (RTRP).

[I] An asterisk (*) indicates that a decision by the Purchaser is required, or that additional information shall be furnished by the Purchaser.

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1. Required References

This Section lists Practices and Standards that are generically referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. ASME–American Society of Mechanical Engineers

ASME B31.3	Process Piping
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1.2. ASTM–American Society for Testing and Materials

ASTM D 2563	Standard Practice for Classifying Visual Defects in Glass-Reinforced Plastic Laminate Parts
ASTM D 3035	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Controlled Outside Diameter
ASTM F 1545	Standard Specification for Plastic-Lined Ferrous Metal Pipe, Fittings, and Flanges

1.3. AWWA–American Water Works Association

AWWA C950	Fiberglass Pressure Pipe
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2. Documentation

- 1) * [O], [R] Temperature, pressure, and fluid service conditions will be supplied by Purchaser.
- 2) [O], [R] Pipe Installer. The pipe shall only be installed by qualified contractors approved by the pipe manufacturer.
- 3) * [S], [R] Proposal Information. The following data shall be submitted to Purchaser for approval by the Owner's Engineer.
 - a) Product information including pipe specifications, MSDS sheets, installation instructions, and detailed joining procedures.
 - b) Verification that the pipe is suitable for the service.
 - c) Pipe inspection and testing procedures.
 - d) Pipe transportation and storage information and details.