



NEWS RELEASE

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NEW FUSION GUIDES FOR GAS PIPING ANNOUNCED

Two Documents Detail Steps for
Polyethylene and PA12 Pipe

IRVING, Texas - Sept. 30, 2020 - The Plastics Pipe Institute, Inc. (PPI) today announced that it has two new technical reports available that discuss steps for the fusion of polyethylene and PA12 pipe. “*TR-49 Generic Electrofusion User Guide for Field Joining of Polyethylene Gas Piping*” and “*TR-50 Generic Butt Fusion Joining Procedure for Field Joining of Polyamide-12 (PA12) Pipe*” are available without charge at the association’s Energy Piping Systems Division website: www.plasticpipe.org/energy/ PPI is the major North American trade association representing the plastic pipe industry.

“For more than four decades of heat fusion of polyethylene pipe has provided leak-free joints,” stated Randy Knapp, Ph.D., engineering director of the Energy Piping Systems Division of PPI. “A PPI task group was formed in 2017 to examine the differences and similarities among the varying joining procedures. It was also a goal to provide a more uniform, or “generic” joining procedure that could be implemented by pipeline operators for regulated gas applications as required by the Code of Federal Regulations, Title 49. Our new TR-49 report is a step-by-step guide that encompasses our task group’s findings and also contains guidance based on leading gas utility review and the latest research on surface preparation, cleaning and scraping techniques published by the Gas Technology Institute (GTI). This user guide is the first of its kind to provide generic industry guidance for electrofusion developed in cooperation with leading gas utilities.”

Knapp said the other guide TR-50 focuses on one of the newest gas piping materials.

“Polyamide-12 (PA12) piping is now approved for use in regulated gas applications and is well suited

for high-pressure gas installations “This new PPI technical report provides a uniform joining procedure that brings a greater consistency to this aspect of gas pipeline installation, will help to facilitate the pipeline operator’s efforts to qualify the procedure, reduce costs, and simplify DOT’s enforcement duties. It also discusses fusion parameters and visual inspection guidelines specific to PA-12.”

Additional information can be found at the PPI website: www.plasticpipe.org.

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Electrofusion



Fusing sections of PA12 pipe

About PPI:

The Plastics Pipe Institute, Inc. (PPI) is the major North American trade association representing all segments of the plastic pipe industry and is dedicated to promoting plastic as the materials of choice for pipe and conduit applications. PPI is the premier technical, engineering and industry knowledge resource publishing data for use in the development and design of plastic pipe and conduit systems. Additionally, PPI collaborates with industry organizations that set standards for manufacturing practices and installation methods.