



# NEWS RELEASE

NY News Contact: Steve Cooper  
516/623-7615

PPI News Contact: Tony Radoszewski  
469/499-1046

## NEW PP-R PIPING SYSTEMS DOCUMENT

### NOW AVAILABLE FROM PPI

IRVING, Texas - August 13, 2018 - The Plastics Pipe Institute, Inc., (PPI) has announced the publication of a technical document related to the proper integration of copper tubing and components with Random Copolymerized Polypropylene -PP-R - piping materials for plumbing applications.

PPI TN-57 "Proper Integration of Copper Tubing and Components with PP-R Piping Materials for Plumbing Applications" describes how improper or excessive flow rates within mixed-material plumbing systems that contain both copper materials (e.g. tubing, fittings, valves) combined with PP-R piping materials can result in premature failure of both the copper components and the PP-R materials, potentially resulting in plumbing system leaks. The problem is exacerbated by operating the system above 140°F (60°C) for extended periods of time.

According to Lance MacNevin, P. Eng., director of engineering for PPI's Building & Construction Division, "In mixed-material plumbing systems which combine copper with PP-R piping materials, it is critically important to limit flow velocities through each copper component to ensure that flow-accelerated corrosion of the copper components will not result. This is important for the longevity of both the copper and the PP-R piping materials."

TN-57 explains the reasons for this potential concern and how plumbing designers can avoid issues that cause this kind of failure. PPI is the major trade association representing all segments of the plastic pipe industry. Recently, PPI announced the formation of the Polypropylene Pressure Steering Committee within its Building and Construction Division to focus on polypropylene pressure pipe.

TN-57 can be accessed directly at <https://plasticpipe.org/pdf/tn-57.pdf> and more information can be found at <https://plasticpipe.org/building-construction/>

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Plumbing systems that combine copper with PP-R piping materials are appropriate as long as the flow rate within the copper components is not excessive, according to the Plastics Pipe Institute.

**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.*