



# BUILDING & CONSTRUCTION DIVISION



## PPI TN-52 on PEX in High Temp Applications

PPI's Building & Construction Division has recently published an extensive revision of ***PPI TN-52 Guide to High-Temperature Applications of Non-potable Crosslinked Polyethylene (PEX) Pipe and Tubing Systems*** to help explain high-temperature ratings for PEX.

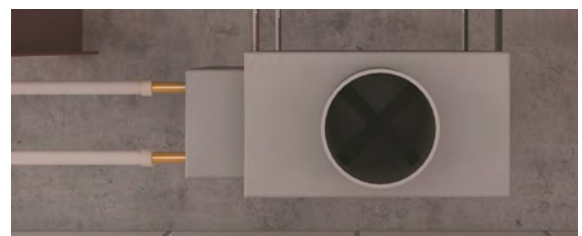
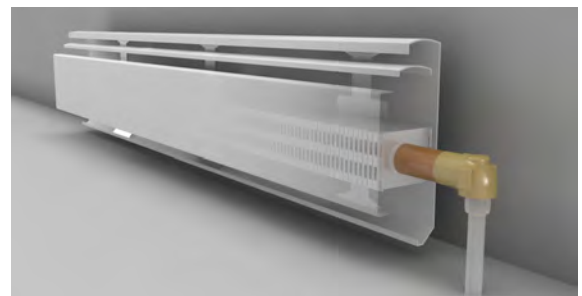
Certain brands of PEX pipe and tubing are listed with certification agencies according to the policies of ASTM D2837 or PPI TR-3 with a "Standard Grade" listing for operation at 200°F (93°C). Such pipes often have "80 psi at 200°F" marked on the tubing or packaging.

However, such a marking does not mean that the material is intended for continuous operation at temperatures up to 200°F. In fact, operating PEX at temperatures above 180°F may affect its design life.

The intent of TN-52 is to give guidance to the end user for determining appropriate design life calculations of PEX pipe and tubing for non-potable water at operating temperatures above 180°F (82°C).

Examples of such systems include residential or commercial hydronic distribution systems, such as high-temperature radiator/baseboard/convactor piping, district heating piping, solar thermal collection systems, and certain types of waste heat systems.

Access the full content of **PPI TN-52** at <https://plasticpipe.org/TN-52.pdf>



[plasticpipe.org/buildingconstruction](https://plasticpipe.org/buildingconstruction)