

## **BUILDING PRODUCTS PROGRAM**

**Class:** Plastic Piping and Accessories

**Customer:** Viega, LLC  
**Location:** 2211 Viega Avenue, McPherson, Kansas 67460

**Listing No.** P341-1  
**Effective Date:** March 20, 2016  
**Last Revised:** Aug 30, 2019  
**Expires:** N/A  
**Website:** [www.viega.com](http://www.viega.com)

**Product(s):** Cross-linked Polyethylene PEX Piping, Fittings and Valves

**Standard(s):** ASTM E84 “Standard Test Method for Surface Burning Characteristics of Building Materials”.

UL 2846 “Fire Test of Plastic Water Distribution Plumbing Pipe for Visible Flame and Smoke Characteristics.”

**Models:** ViegaPEX™ (red white, blue, purple)  
 ViegaPEX™ Ultra (red, white, blue, black)  
 Viega PEX Press Fittings and Manifolds (polymer & metallic)  
 Viega PEX Crimp Fittings and Manifolds (PolyAlloy® & metallic)  
 Viega PEX Press Valves  
 Viega PEX Crimp Valves

**Marking(s):** All PEX tubing, connectors, angle stop valves, and other accessories (if sufficient space available) shall be permanently marked with the following:

- Manufacturers name or trademark
- Model Name
- Standard: ASTM E84
- Flame Spread Rating < 25, Smoke Development Rating < 50
- UL 2846 Flame Propagation < 15, Peak Optical Density 0.845, Average Optical Density 0.125
- Nominal Size
- QAI Logo with ‘us’ indicator

**The following outlines the performance of Viega PEX pipe determined in accordance with the noted standards.**

**Rating(s):** **ASTM E84 – Surface Burning Characteristics**

Limitations	Flame Spread Index	Smoke Developed Index
2-inch maximum diameter tubing; Supported continuously with 23 gauge Viega PEX Pipe supports. Areas of exposed Viega pipe between PEX Pipe supports is to be encased with approved pipe insulations <sup>1</sup> . Piping is to be clamped with standard support clamps following Viega installation instructions.	< 25	< 50

**Note<sup>1</sup>: List of approved pipe insulation providers:**

The following list of insulation types (at minimum thickness of ½”) are approved for use with ViegaPEX and ViegaPEX Ultra products when installed with Viega PEX fittings and valves of up to maximum 2 inch diameter. The insulation noted must be listed to ASTM C547 by an approved listing agency.

Insulation	Flame Spread Rating (according to ASTM E84)	Smoke Developed Rating (according to ASTM E84)
Johns Manville Micro-Lok	< 25	< 50
Johns Manville Micro-Lok HP		
Owens Corning Fiberglass		

**UL 2846 - Fire Test of Plastic Water Distribution Plumbing Pipe for Visible Flame and Smoke Characteristics.**

Limitations
2-inch maximum diameter tubing; All areas of exposed Viega pipe between PEX Pipe supports is to be encased. fiberglass insulation (3MAPOM2x1/2). Piping is to be clamped with standard support clamps following Viega installation instructions.

Insulation	Flame Spread Rating (according to UL 2846)	Peak Optical Density	Average Optical Density
Fiberglass insulation (3MAPOM2x1/2).	< 15	0.845	0.125

Note: These products are subjected to limitations as specified above and must be installed in accordance with the manufacturers' instructions. Authorities having jurisdiction should be consulted regarding allowable applications. See manufacturer's listings for other standards listed under QAI certification programs.

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