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United Poly Systems Announces FM Approval

SPRINGFIELD, MO – September 1, 2021 - United Poly Systems is now certified to manufacture FM Approved polyethylene pipe in 2–24-inch diameters.

[FM Approvals](#) granted certification on September 1, 2021, after United Poly Systems (UPS) completed a rigorous five-step process. FM Approval certifies that polyethylene pipe manufactured by UPS meets the standards for use in underground fire protection applications. With the new certification, UPS now offers triple stamped products that are NSF, AWWA and FM approved.

Safe and reliable water supply is critical for underground fire protection systems. HDPE pipe is ideal for transporting water in fire protection systems, as it is resistant to corrosion and bacterial growth and can withstand high internal and external stresses. FM approval gives customers confidence that they are purchasing a certified high-performing product from a regularly audited manufacturing facility. Triple stamped products provide flexibility, allowing customers to inventory pipe that can account for multiple application demands.

FM Approvals audited the UPS manufacturing facilities in Albuquerque, New Mexico and Springfield, Missouri. UPS sent samples of HDPE pipe from both facilities to an independent lab for testing. The testing was overseen by FM Approvals via live stream video.

Tests included:

- Examination
- Standard design
- Bend back (pipe only)
- Elongation at break (pipe only)
- Hydrostatic strength (pipe and fittings)
- Stiffness factor (pipe only)
- Ring-tensile strength (pipe only)

Tests were conducted on samples of the following:

- PE4710, Alathon L4940LS and Alathon L5008HP resin material
- IPS diameters of 2, 4, 6, 12, 16, 18, 20 and 24 inches
- SDR 7, 9 and 11
- Pressure ratings of 335, 250 and 200 psi

Logan Bridges, UPS Vice President, Marketing Strategy and Commercial Operations, is excited about the new value FM Approval provides to HDPE customers. “With FM Approval, there is a greater guarantee of the finished product’s quality. With the high value we have always placed on quality, we’re very excited about furthering our industry credentials and certifications.”

About United Poly Systems

United Poly Systems produces quality HDPE pipe in diameters from ¾-in. to 26-in. IPS, 4-in. to 24-in. DIPS and ¾-in. to 2-in. CTS for use in many industries including telecommunications, power utility, water, electrical and oil and gas. The market for HDPE pipe continues to expand as initiatives to improve, repair and expand the country’s infrastructure are implemented.

Our off-the-shelf HDPE conduit/pipe is available in a variety of sizes, colors, dimensions and lengths, with or without stripes. We also offer fully customizable HDPE conduit options. In addition, piping can be customized with a ribbed interior (to maximize the distance cable may be pulled or jetted), pull tape, or a lubricated interior (for easier installation).

Success at UPS can be attributed to our vast experience, extensive client relationships, state-of-the-art manufacturing and quality processes. Our agile business model that allows UPS to quickly meet customers’ needs without the overhead expenses that are incurred by many of the larger producers in the industry.

Conveniently located in Springfield, Missouri and Albuquerque, New Mexico, United Poly Systems can provide quick delivery to much of the U.S. market.
