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Arkema introduces new Kynar® PVDF resin grade that offers an outstanding range of mechanical properties

Arkema has a new grade of Kynar® PVDF resin that provides a whole new set of properties for PVDF. Kynar® UHM™ resin has a high flexural modulus, heat deflection temperature, abrasion resistance, tensile strength, pressure capability and, at the same time, offers excellent creep resistance.

Kynar® UHM™ thermoplastic resin was designed with the most demanding applications in mind. This high performance polymer has been specially engineered to be chemically resistant to chlorine, bromine, strong acids, strong oxidants, halogens, aromatic solvents, and aliphatic hydrocarbons. As with traditional Kynar® PVDF grades, the Kynar® UHM™ thermoplastic resin is easily melt processed by most standard methods, including injection molding and extrusion. Kynar® UHM™ resin also provides resistance in harsh thermal, chemical and ultraviolet environments.



With its many high performance features, Kynar® UHM™ resin can be used in a variety of industries and applications, including, but not limited to: chemical processing, petrochemical, wire and cable, electricity and electronics, high purity and transportation. Demanding industrial applications such as semiconductor, pulp and paper, nuclear waste processing, mining, general chemical processing, and tower packing will find that Kynar® UHM™ resin is strong, reliable, long lasting, and more cost effective than other solutions.

“Arkema recognizes the global need for new, high performance materials,” said Erwoan Pezron, Global Managing Director for Arkema’s Fluoropolymers business unit. “Working closely with our customers, we have been able to focus our development activities in areas that will help them grow their businesses with new, innovative materials being developed by Arkema. It is exciting to offer this material at the same time we begin to celebrate the 50th anniversary of Kynar® resin.”

Kynar® UHM™ resin can be fabricated into a wide range of components, including tubes, pipes, fittings, valves, sheets, rods, stock shapes, tubing, tanks and vessels, as well as nozzles. This product is also bondable to other substrates, including a variety of polymers. Kynar® UHM™ resin also has demonstrated excellent flame resistance capabilities as a free standing product or as a composite.

Arkema is a global leader in manufacturing of polyvinylidene fluoride resin, under the Kynar® trademark, with manufacturing facilities on three continents.

A global chemical company and France’s leading chemicals producer, Arkema is building the future of the chemical industry every day. Deploying a responsible, innovation-based approach, we produce state-of-the-art specialty chemicals that provide customers with practical solutions to such challenges as climate change, access to drinking water, the future of energy, fossil fuel preservation and the need for lighter materials. With operations in close to 50 countries, some 19,000 employees and research centers in North America, France and Asia, Arkema generates pro forma annual revenue of some €7.6 billion, and holds leadership positions in all its markets with a portfolio of internationally recognized brands.

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