



## New Kynar<sup>®</sup> PVDF grade for drinking water systems

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### Products

Arkema has added Kynar<sup>®</sup> 740 E to its Kynar<sup>®</sup> PVDF polymer range developed for drinking water systems. This grade aptly combines mechanical strength with fluidity, making it perfectly suited to the extrusion process.

Kynar<sup>®</sup> 740 E is especially suitable for the manufacture of multilayer pipes for the transport of drinking water. It has recently been granted a KTW<sup>[1]</sup> certificate, a German approval for raw materials in contact with drinking water, added to its existing food compatibility certification at European level.

The main asset of [Kynar<sup>®</sup>](#) for this application lies in its purity and the absence of additive during processing. Water supply pipes with a Kynar<sup>®</sup> 740 E inner layer offer the following key properties: outstanding resistance to water treatment products throughout their lifetime, organoleptic inertness (no taste is passed to the water), and ability to delay the growth of bio-film, a thin layer of bacteria colonizing the inner wall of pipes.

Kynar<sup>®</sup> PVDF is already used today by water supply companies in France for over half the service connections linking up watermains to homes.

[1] The German agency for water and gas DVGW (Deutsche Vereinigung des Gas -und Wasserfaches), has defined a series of recommendations for plastic materials used in the transport of drinking water known by the German abbreviation KTW (Kunststoffe und Trinkwasser) DVGW, through a network of laboratories throughout Germany and northern Europe examines the suitability of the formulation and then subjects the product to rigorous tests of suitability to the use depending on the final application.

*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 more than 40 countries, some 14,000 employees and 10 research centers, Arkema generates annual revenue of €6.1 billion, and holds leadership positions in all its markets with a portfolio of internationally recognized brands.*