

King of Prussia, PA, Oct. 1, 2015

Arkema introduces new high performing Kynar Flex® grade for the wire and cable market

Arkema is expanding its Kynar Flex® resin product line with the introduction of the Kynar Flex® 3030 polyvinylidene fluoride copolymer. This unique grade of fluoropolymer has similar high performance properties to current wire and cable grades, such as chemical resistance, UV resistance, abrasion resistance and low coefficient of static and dynamic friction. However, significant improvements in flexibility have been achieved while maintaining high temperature performance and, at the same time, improving low temperature performance.

Kynar Flex® 3030 PVDF has a melting point greater than 160°C and has impact ductility more than 15°C lower than any other Kynar Flex® PVDF product currently on the market. The new grade could, therefore, be suitable for many types of applications requiring -40°C performance. This grade is available as both a plenum and non-plenum grade and is manufactured with a variety of viscosities. Improvements in flexibility and temperature performance have been achieved while maintaining good tensile and elongation properties.

This high performance grade is aimed at satisfying some of the most demanding wire and cable requirements driven by applications such as fiber-optics, down hole, shipboard, communications, mining and transit applications. These applications demand a material that has both chemical and temperature performance and at the same time has a very high degree of flexibility and strength.

Visit Arkema at the 64th IWCS International Cable Connectivity Symposium in Atlanta, Oct. 5-8, 2015, at booth #700.

Arkema is a leading global producer 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 (\$9.5 billion), and holds leadership positions in all its markets with a portfolio of internationally recognized brands.



Photo: Wire extruded with Kynar Flex® PVDF.

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