



Colombes – March 13, 2018

Arkema announces a partnership with Xenia® Materials to produce carbon fiber composite compounds based upon Kynar® PVDF

Italian specialty compounding company Xenia® will bring to market a new series of short carbon-fiber filled PVDF thermoplastic composite grades under the XECARB™ 45 brand developed with Arkema.

In collaboration with Arkema, Xenia® has successfully developed a range of PVDF composite compounds for injection and extrusion processes directed toward a wide range of specialty applications such as heavy duty chemical and industrial processing. The new compounds feature truly exceptional mechanical properties, with elastic modulus of up to 15,000 MPa and outstanding resistance to a very wide range of aggressive chemicals. Parts and pieces made from these compounds may be further processed by traditional welding and fabrication methods already commonly employed with standard Kynar® PVDF grades.

"This collaboration further extends the partnership we have recently developed with Xenia in adjacent high performance polymers like long chain polyamides and Pebax® elastomers," said Dr. Anthony Bonnet, global research director for Arkema's technical polymers business. "Arkema is a proven leader in fluoropolymer innovation. Our ability to closely collaborate with an expert in the field of specialty fiber-reinforced composites adds a new dimension to our extensive product portfolio," added Bonnet.

"We are very proud of this partnership, which leverages the extensive R&D resources of both companies," added Fabio Azzolin, president of Xenia®.

*A designer of materials and innovative solutions, **Arkema** shapes materials and creates new uses that accelerate customer performance. Our balanced business portfolio spans high-performance materials, industrial specialties and coating solutions. Our globally recognized brands are ranked among the leaders in the markets we serve. Reporting annual sales of €8.3 billion in 2017, we employ approximately 20,000 people worldwide and operate in close to 55 countries. We are committed to active engagement with all our stakeholders. Our research centers in North America, France and Asia concentrate on advances in bio-based products, new energies, water management, electronic solutions, lightweight materials and design, home efficiency and insulation. www.arkema.com*

***Xenia** is an Italian compounding company, specialized in engineering and production of innovative polymer-based materials for the most advanced and challenging industries. The company, located in Vicenza, Italy incorporates an engineering team, which helps customers to develop high-tech solutions with a research and development department dedicated to product innovation. www.xeniamaterials.com*

MEDIA CONTACT

Véronique Obrecht +33 1 49 00 88 41 veronique.obrecht@arkema.com

PRODUCT CONTACTS

Christophe Le-Roy +33 1 49 00 73 68 christophe.le-roy@arkema.com