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## Arkema Introduces CLEARSTRENGTH® XT100 Toughener for Thermosetting Applications

**Arkema recently introduced CLEARSTRENGTH® XT100 toughener for thermosetting applications such as structural adhesives and high-performance composites. This new product is based on patent pending Arkema technology designed to significantly improve dispersion and viscosity control when compared to conventional core-shell tougheners.**

"Our new patent pending technology enables significant performance and processing advantages in these application areas," Philippe Hajji, Global Plastics Additives R&D Director with Arkema, explained. "Working with formulators of methacrylate and epoxy-based structural adhesives and epoxy-based composites, we are seeing significantly increased toughness with limited impact on viscosity or glass transition temperatures."

The introduction of any rubber-based toughening agent into a liquid resin system is well-known to significantly increase product viscosity, which can cause processing and performance issues in thermosetting adhesives and composites applications. By using CLEARSTRENGTH® XT100 toughener, formulators can potentially reduce that effect drastically. The result is an easier dispersion in most liquid resin systems and an exceptional toughening effect in the finished product.

"CLEARSTRENGTH® XT100 toughener is the first product based on this new technology," Aldo Sousa, Senior Account Manager for Arkema Coating Resins, said. "Given the initial positive feedback from our customers, we are working on advanced products based on this technology and plan to eventually launch an entire family of products offering similar processing and performance advantages across other industries and applications where higher toughness levels may currently be hard to achieve."

CLEARSTRENGTH® XT100 toughener is now available in a powder form. To learn more, visit [www.additives-arkema.com](http://www.additives-arkema.com).

#### About Arkema

*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 (\$9.4 billion) in 2017, we employ around 20,000 people worldwide and operate in some 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](http://www.arkema.com)

CLEARSTRENGTH® is a registered trademark of Arkema France

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