

Colombes, September 25th, 2014

Arkema and MVP will demo Thermoplastic-RTM with Elium[®] resin at two major composite fairs



Arkema will participate at the Composites Europe fair in Düsseldorf, from October 7th to 9th, and at the CAMX Expo in Orlando, Florida, from October 14th to 16th. Arkema will showcase its new range of Elium[®], the first thermoplastic resins that can be processed on the same equipment as thermoset resins. Several RTM live demos will be performed with the Patriot Thermoplastic Innovator injection machine from Magnum Venus Products (MVP), to demonstrate the ease of processing of this new technology.

The main advantages of Elium[®] resins are the recyclability of composite parts, the use of well known processes (RTM, Infusion) to mold structural and semi-structural parts and the cost-effectiveness of the technology to make continuous-fiber reinforced thermoplastic composites. The Elium[®] live demos can be attended in the **CT Platon** booth at Composites Europe (8a/A32) and in the *Lean Mean Closed Mold Machine Super Demo* area, produced by **Composites One** at the CAMX.

In addition to the Elium[®] range and Luperox[®] organic peroxides – used as initiator for Elium[®] resins - Arkema is developing a large range of high performance materials, additives and adhesives, for applications involving composites with a thermoset or a thermoplastic matrix:

- a polyetherketoneketone (PEKK) called Kepstan[®] to replace metal in extreme conditions (aerospace, offshore)
- the Rilsan[®] range, a high-performance polyamide that is 100% bio-sourced and which gives thermoplastic composites resistance to abrasion and impacts, even at low temperatures.
- Additives like Nanostrength[®], Orgasol[®] polyamides significantly improve the natural resistance properties of composites.
- Lastly, AEC Polymers, an Arkema subsidiary specialized in structural adhesives, markets BlackMamba[®] waterproof sealant adhesives and SAF[®] structural adhesives, for complex composite assemblies.

composites.arkema.com

Elium[®] technology will be displayed at Composites Europe 2014 at booth 8a/G01

Visitors opening hours: 9:00 am – 6:00 pm from October 7th to 9th 2014

Event location: Messe Düsseldorf
Stockumer Kirchstraße 61
40474 Düsseldorf
Germany

Elium[®] demos: CT Platon booth 8a/A32

Elium[®] technology will be displayed at CAMX 2014 at booth 3761

Visitors opening hours: 9:00 am – 5:00 pm from October 14th to 16th 2014

Event location: CAMX
Orange County Convention Center
Orlando, FL
USA

Elium[®] demos: Daily in Lean Mean Closed Mold Machine Super Demo Area

*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 approximately €6.4 billion, and holds leadership positions in all its markets with a portfolio of internationally recognized brands.*

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