

Alexium Polymeric Flame Retardants Factsheet

Three unique polymeric FR technology platforms, which provide one of the industry's most expansive and diverse FR toolboxes for markets ranging from epoxy resins to cotton to 100% synthetic fabrics.

Alexiflam™ SYN	Polyphosphonate-based flame retardant with high phosphorous content (>17% P)
Alexiflam™ NF	Phosphorous-rich (21% P) polymeric flame retardant for cotton and natural fibers.
Alexiflam™ PB	Environmentally-friendly polymeric flame retardant for 100% synthetic fabrics

Benefits:

- Environmentally-friendly
- Non-leaching
- No adverse health effects
- Durable
- High-performance

The Alexium Advantage:

- Ability to customize solutions
- **Ability to add functionality alongside FR** (i.e. water repellency, anti-odor, cooling)
- Extreme flexibility due to network of toll manufacturers

Whereas others in the FR market tout novelty as their value, Alexium's unique patented products and service-driven business model were developed to address real customer needs which are often far more complex than just flame retardancy.

Alexium's polymeric products are a key part of our growing reputation as a leading supplier of high-performance flame retardant materials around the globe. By having multiple platforms of eco-friendly polymeric FR materials, Alexium can tailor a chemical formulation to meet almost any set of performance criteria and deliver a ready-to-use product to our customer's door.

Alexium's unique business model leverages a robust suite of patented technologies, a worldwide supply-chain network of manufacturers, and close partnerships with industry giants such as ICL to address the \$7B flame retardant chemicals market in a unique and powerful way.

About Alexium International Group Limited:

Alexium International Group Limited (ASX: AJX, AJX: AX, Nasdaq Designate: AXXIY) holds proprietary patent applications for novel technologies developed to provide flame retardancy for a wide range of materials. These environmentally friendly flame retardants have applications for a number of industries and can be customized. Further, Alexium has developed products for a range of other applications including phase-change materials, water repellents, antimicrobials, and combinations thereof. Alexium also holds patents for a process developed initially by the U.S. Department of Defense, which allows for the surface modification and attachment of nanoparticles or multiple chemical functional groups to surfaces or substrates to provide functions such as fire retardancy, water proofing, oil proofing, and anti-microbial treatments. Applications under development include but are not limited to textiles, packaging, electronics, and building materials. Alexium's chemical treatments are currently marketed under the Alexiflam™, Alexiflam FR™, Alexiflam SYN™, Alexiflam NF™, Alexiflam AD™, Alexiflam PB™, and Alexicool™ brand names.