



PLAQUIMET

CALIDAD SUPERIOR, CONFIABILIDAD TOTAL

POLYMET 21403

Auto-Extinguishable System

The Future of Design lies in Composite Materials



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INNOVATIVE DESIGN, QUALITY COMPOSITES

Trends

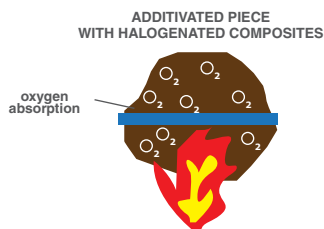
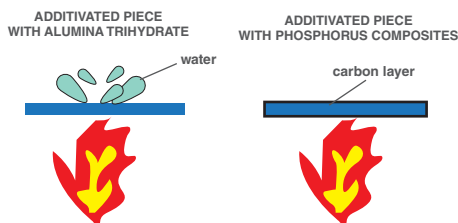
It came to our attention that the design trend can only be achieved through composite materials. In addition to the evolution of design, the requirements for safety are also key. Observing this trend, Plaquimet developed the Polymet 21403 resin, which takes care of all open and closed molding manufacturing processes, thus obtaining the required design, in addition to meeting all European regulations which require the self-extinguishing and low smoke properties, destined for mass transport, such as buses, trains, metro buses, etc

Benefits of Polymet 21403

The combustion of halogen compounds causes a large amount of corrosive, toxic and opaque fumes. That's why Plaquimet developed a high-quality, halogen-free composite material which has the following exclusive advantages:

- High resistance to fire.
- Low smoke emissions.
- Low smoke toxicity.

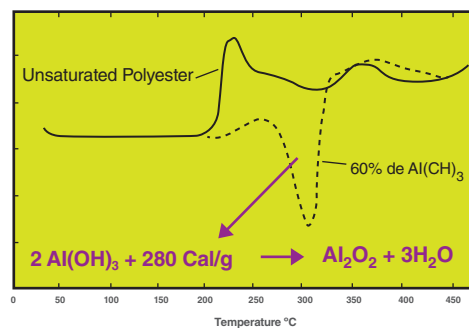
Technological bases



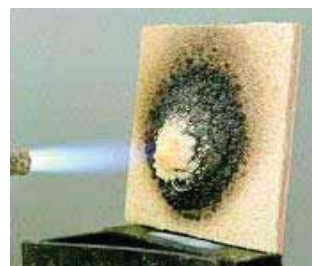
Old - Obsolete

Quality paired with state-of-the-art technology

Polymet technology works in two ways: on the one hand it causes an intumescent effect and on the other hand it generates an endothermic degradation. The intumescent effect forms a fluffy carbon layer on the surface, isolating the area and removing oxygen, while endothermic degradation releases water molecules during the combustion of the flame retardant additive.



Endothermic Degradation



Intumescent Effect

Through this set of actions, Polymet technology presents the performance of Auto extinguishable and low-smoke emissions, obtaining the homologation according to European standards of mass transport.