



SOLVAY

asking more from chemistry®



alve-one®

Sustainable Foaming Solutions

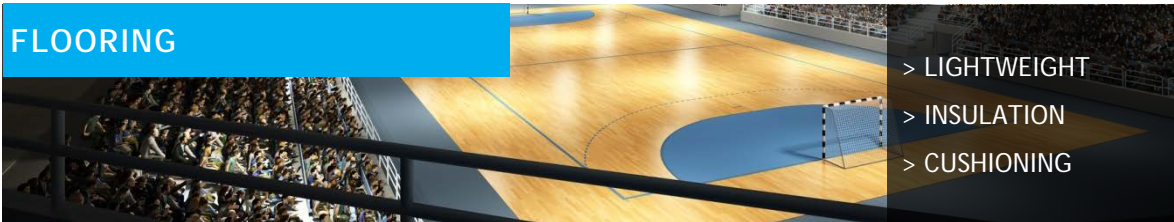


ALVE-ONE® SUSTAINABLE FOAMING SOLUTIONS, SUPPORT CUSTOMERS ACHIEVE THE PLASTIC FOAMS' PROPERTIES THEY NEED

- ✓ A portfolio of ACDA¹-free chemical blowing agent solutions designed to comply with present and future regulations, including REACH
- ✓ Tailored-made solutions to meet our customers' current process needs and support their future developments
- ✓ Cost-effective solutions thanks to easy process adaptation and Alve-One® solutions continuous technical support.

ALVE-ONE® SOLUTIONS PROVIDE VALUABLE PLASTIC FUNCTIONALITIES FOR A BROAD RANGE OF MARKETS

FLOORING



- > LIGHTWEIGHT
- > INSULATION
- > CUSHIONING

BUILDING & CONSTRUCTION



- > NO AMMONIA SMELL
- > MECHANICAL PROPERTIES
- > DURABILITY

AUTOMOTIVE



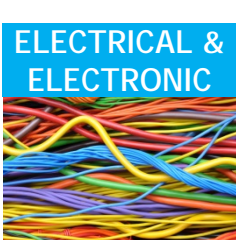
- > LIGHTWEIGHT
- > SMOOTH SURFACE APPEARANCE
- > NO VOC EMISSIONS

FOOTWEAR



- > LIGHTWEIGHT
- > SUPPLENESS
- > NO AMMONIA SMELL

ELECTRICAL & ELECTRONIC



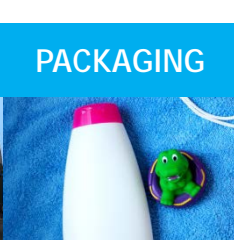
PIPES



HOUSEHOLD GOODS



PACKAGING



ARTIFICIAL LEATHER



¹ADCA: Azodicarbonamide. Alve-One® products do not contain ADCA or any ADCA derivatives.

ALVE-ONE® ADVANCED ENDOTHERMIC CHEMICAL BLOWING AGENTS ARE SUITABLE FOR MOST PLASTIC FOAM PROCESSES

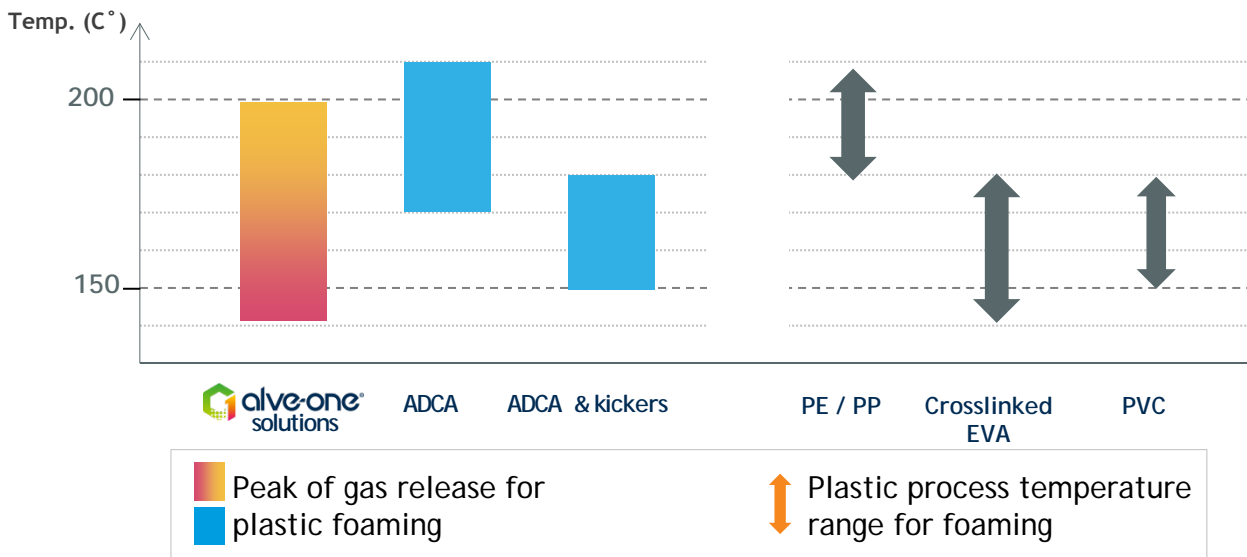


Fig 1. ALVE-ONE® solutions can be adapted to a wide range of plastics and their processing temperatures thanks to their large range of controlled gas release

A SAFE, SUSTAINABLE & COMPETITIVE BLOWING AGENT SOLUTION RESPONDING TO DIFFERENT MARKET NEEDS

<p>A READY-TO-USE AND SUSTAINABLE FOAM</p>	<ul style="list-style-type: none"> ✓ Fine & uniform foam cell structure ✓ An odor-free end-product ✓ No harmful residues in the end-product
<p>A SIMPLER AND MORE EFFICIENT PROCESS</p>	<ul style="list-style-type: none"> ✓ No need for kickers ✓ Faster cycle times ✓ Safe for workers to handle & manipulate - easy to store



EACH CUSTOMER IS UNIQUE!

Because we understood that each customer is unique, we developed a collaborative approach to develop solutions that fit each of your specific needs in terms of

- (1) Improvement of production process efficiency,
- (2) Respecting end-products' quality requirements,
- (3) Following the market's continuous demand for increased sustainability.

Our highly qualified technical & commercial teams of experts offer continuous support with a worldwide reach.



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