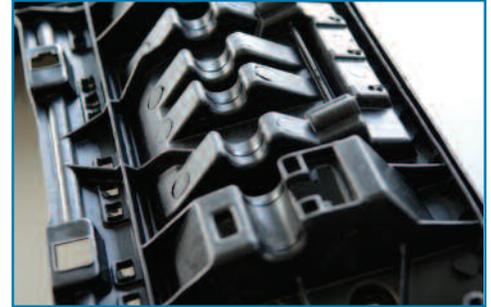


## Additive solutions for automotive composites

### Enhancing performance from bumper to bumper

For decades, carmakers have been replacing metal with a variety of plastic resins and compounds. Significant benefits in cost and performance have been achieved through weight reduction, corrosion resistance, part consolidation, and recyclability.

Today, the accelerating use of glass-reinforced thermoplastic polyolefin composites promises additional progress. The rapid refinement of materials and manufacturing processes is encouraging redesign of multiple parts in current polymers. Increases in stiffness and durability will lead to wider use in vehicle structures. Improved heat properties continue to open up new underhood applications.



ADD COMP North America is uniquely positioned to provide OEMs and tier suppliers with a thorough understanding of additive technology and a comprehensive portfolio of additive products. The company is committed to growing the use of thermoplastics and thermoplastic composites in the automotive industry.

### PRIEX® coupling agents improve structural properties as much as 30%

PRIEX® coupling agents feature a functional group of maleic anhydride (MAH) grafted onto a polyolefin backbone. Their use enhances the strength of glass-reinforced composites by bonding the polyolefin matrix to the reinforcing strands. Greater coupling increases both tensile and impact strength.

PRIEX additives can also simplify the introduction of natural-fiber reinforcements by helping the polymer matrix coat the fibers, improving structural properties and reducing moisture absorption. Additional environmental benefits flow from the excellent purity of PRIEX products, which minimizes emissions of VOCs.

### Complementary additive systems

ADD COMP delivers a wide range of additive technologies to improve the performance of polymer components throughout the vehicle.

Our ADD-UV™ products provide excellent UV stabilization, which is essential to eliminating paint in exterior or interior applications. Products in the ADD-AO™ line of anti-oxidants provide temperature stability, protecting parts during processing and improving heat-aging in the field. ADD-BLACK™ additives simplify the production of integral colors and standard blacks. ADD-FR™ flame retardants help parts meet UL standards. And multiple functions can be combined in a single additive formulation.

In addition to helping meet part-performance targets, ADD COMP offers a variety of processing aids that can help improve the surface appearance of molded or extruded components, increase manufacturing throughput, and reduce energy use.

ADD-AF™	ADD-CLEAN™	ADD-RESIST™	anti-biologicals	cleaning agents	odor reducers
ADD-AO™	ADD-DS™	ADD-SLIP™	anti-blocking agents	compatibilizers	oil and water
ADD-AS™	ADD-FR™	ADD-UV™	anti-fogging agents	coupling agents	repellents
ADD-BA™	ADD-MAX®	ADD-VANCE®	anti-oxidants	desiccants	plasticizers
ADD-BLACK™	ADD-NU™	PRIEX®	anti-static agents	flame retardants	slip agents
ADD-CL™			blowing agents	nucleating agents	UV stabilizers
			clarifying agents		

## Additive solutions for automotive composites

### System delivery alternatives

ADDCOMP produces a comprehensive range of polymer additive solutions for composite materials, for compounds, or for single-species resins. We can provide them as individual components or in a custom formulation of multiple additives.

Where liquid additives are appropriate, a masterbatch is supplied as pellets featuring high concentrations of additive chemistry in a matrix of select polymer. Where an additive system consists of compatible dry components, we can supply the formulation in compacted-powder form or as a powder blend. In every case, an ADDCOMP product will be configured for ease and accuracy of metering and for process flexibility in dosing.

### History of success

The founding of ADDCOMP in 1998 brought together in one company a breadth of experience and a depth of understanding of additives technology unmatched in the plastics industry. Since then, we have maintained our focus on the development and delivery of additive solutions for manufacturers and compounders of polyolefins, polyesters, polystyrenes, and polyamides. In little more than a decade, we have reshaped the way our customers value additive systems.

In the automotive industry, ADDCOMP solutions are being used by OEMs and part makers worldwide. Our products are enhancing the performance and processing of appearance applications as well as structural components, including running boards, underbody panels, and front-end reinforcements.



### Contact us

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