

Additive solutions for thermoplastic applications in the heavy truck market

On the road to lower costs

Perhaps nowhere else is the route between thermoplastic innovation and economic benefit more direct than in the heavy truck industry. Opportunities for lower operating costs can result from reductions in weight, improvements in aerodynamics, or simply from increased durability and longer part life.

Fiber-reinforced thermoplastic materials can lower production costs through part consolidation. Multi-layer extrusions can eliminate paint in interior or exterior applications, cutting costs and providing environmental benefits as well. But the size of applications and the demands of trucking operations require that thermoplastics provide robust replacements for existing parts.



ADD COMP® North America is supporting progress at the OEM, throughout the supply chain, and in the aftermarket. The company's unmatched understanding of thermoplastic additive technology has produced a comprehensive portfolio of additive solutions. ADD COMP is committed to helping simplify the production of new products and to enhancing their durability over the long haul.

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.

Additive solutions incorporating PRIEX coupling agents can facilitate the introduction of natural-fiber reinforcements by helping the polymer matrix coat the fibers, improving structural properties and reducing moisture absorption. The purity of PRIEX products can reduce emissions of VOCs. Additional environmental benefits could be realized by the use of PRIEX additives to compatibilize dissimilar materials in the recycling stream.

Complementary additive systems

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

ADD-UV™ products provide excellent weatherability, which is essential in eliminating the cost and complexity of painting. 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™ pigments simplify the production of pre-colored parts.

In addition to helping meet durability and performance targets, ADD COMP offers a variety of processing aids that can 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		

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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.

ADDCOMP solutions are being used by manufacturers of over-the-road vehicles and by their material and part suppliers worldwide. Our products can enhance the performance and processing of appearance applications or extend the life of structural components. And improve life-cycle costs wherever they are used.



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