



Automotive Products

RESIN TECHNOLOGY
FOR TRANSPORTATION



Your Formula for Success
RESINS | GEL COATS | COLORANTS



WEIGHT REDUCTION FOR CARS AND TRUCKS

AOC technologies have been making strong, safe and durable composite automotive parts for decades. Today's advanced technologies offer the positive attributes of conventional composite materials, with the added benefit of lower weight. This very desirable combination helps manufacturers meet fuel efficiency and emission targets.

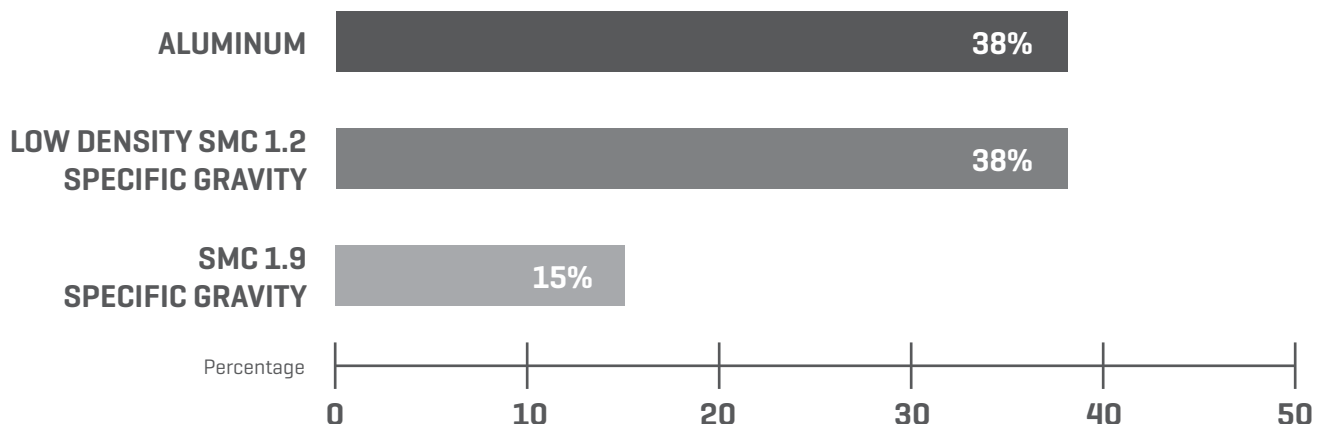
ATRYL TCA LEADS THE WAY

AOC leadership in automotive composites starts with conventional Atryl TCA for automotive Class A sheet molding composite (SMC), which is 15% lighter than steel.

Low density Atryl TCA formulations offer weight savings comparable to aluminum.



WEIGHT SAVING VS STEEL



COMPOSITES' COMPETITIVE EDGE

SMC VS METALS

- Resists rust and corrosion
- Resists chemicals, solvents and fuels
- Resists damage from dents and dings
- Better thermal and electrical insulating properties
- Provides acoustic insulation for improved NVH (noise, vibration and harshness)
- Improves design freedom for function and style
- Shorter design-to-manufacturing cycle
- Less energy to produce a finished part
- Parts consolidation

+ Proven technology

+ Class "A" surface

+ Lightweight (comparable to aluminum)

+ Impact resistant

SMC VS THERMOPLASTICS

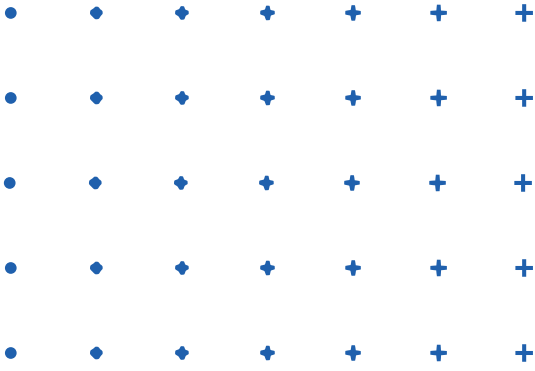
- Dimensional stability at high and low temperatures
- Retain Class A smoothness and sag resistance at high paint cure temperatures
- Improved life cycle economics
- Superior low temperature impact properties



POLYMERS ENGINEERED TO LAST

AOC's Atryl TCA uses thermoset polymer technology, which means the molecular structure itself is engineered for long-term durability. Lighter weight, when combined with polymer durability, helps automotive engineers design vehicles that improve fuel efficiency and lower emissions – and more importantly, are built to last.





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AOC World Headquarters
955 Highway 57 East | Collierville, TN 38017
+ 01 901.854.2800 | info@aoc-resins.com

www.aoc-resins.com  [@aocresins](https://twitter.com/aocresins)

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SALES CONTACTS

North America
+01 866.319.8827
northamerica@aoc-resins.com

Latin America
+01 863.815.5016
latinamerica@aoc-resins.com

Middle East
+44 1206.390415
middleeast@aoc-resins.com

Europe
+44 1206.390415
europa@aoc-resins.com

AOC UK Ltd.
+44 01206.390400
salesUK@aoc-resins.com

India
+44 1206.390415
india@aoc-resins.com

Asia/Australia
+44 1206.390415
asia@aoc-resins.com

