



Continental Structural Plastics (CSP) and General Motors (Corvette)

TCA Ultra Lite

Created TCA Ultra Lite, an advanced composite material that, depending on the application, is as light as aluminum. This new composite structure forms most of the upper body of the 2016 Chevrolet Corvette C7. The system achieved a weight savings of 20 pounds per vehicle.

- TCA Ultra Lite is based on a chemistry that is proprietary to CSP. To reduce mass
- A patented treatment technology used on the glass microspheres allows the resin to adhere to the matrix and increase the interfacial strength between the bubble and the resin.
- This results in a more robust resin mix that makes molded parts more resistant to handling damage, and prevents the microcracks that cause paint pops, pits and blistering.
- When combined with CSP's patented vacuum and bonding manufacturing processes, the result is a material with a premium Class A finish with paint and gloss qualities comparable to metals, including aluminum



Presented in collaboration with:

