TCA Ultra Lite® is an advanced composite material that can be as light as aluminum, and less expensive. This e-coat oven capable material is ideal for automotive Class A finish body panels, as it offers a surface finish superior to aluminum. It also offers all of the benefits you’d expect from an advanced sheet molded compound, including dent and corrosion resistance, high strength-to-weight ratio and superior design capabilities, including the ability to achieve unique styling cues unattainable with a stamped metal. TCA Ultra Lite® was used throughout the body panels of the latest Corvette C7, replacing the previous model’s use of CSP’s TCA Lite® material.

Category: Enabling Technology

Application: Chevrolet Corvette C7

Weight Savings: 23 lbs. lighter than TCA Lite®

Methodology: Material Optimization