



## APPLICATION BULLETIN

### WHAT DRIVES YOUR DESIGNS?

# POLYMER SOLUTIONS FOR AUTOMOTIVE APPLICATIONS

Your customers depend on their cars to get from point A to point B, but that's only part of the story. How they arrive matters too. So, you design your vehicles with your customer, and their every interaction with your vehicle, in mind.

Whether you're designing a sports car for the auto enthusiast, a sport utility for the family hauler, or an economical sedan for a daily commuter, your customer's values are part of the equation. The materials you select must deliver the performance, safety and price value your customer expects. You want to do more than match your customer's values. You want to exceed their expectations. Choosing the right material can help you to do just that.

We understand your commitment to performance and quality. With our polymer solutions and expertise, we can help make your concept design a reality. Want to reduce the weight of your vehicle? Looking for a way to manage heat and prevent wear? Have a vision for a sleek design with harmonized color? We can help you drive innovation forward.

- 35,000+ Polymer Solutions Across 25+ Suppliers
- Global Sales, Technical and Manufacturing Footprint
- Prime Materials Meeting Automotive Specs

# HITTING THE ROAD

## DURABILITY

High Impact Strength, Weatherability, Rigid & Flexible Materials, EMI/RFI Shielding

**SOLUTION:** Thermoplastic Elastomers (TPEs), Nylon

## STRENGTH & STABILITY

Toughness, High Stiffness, Impact Resistance, Rigidity

**SOLUTION:** Fiber Reinforced Composites, Lightweight Thermoformed Composites

## SEVERE ENVIRONMENT PROTECTION

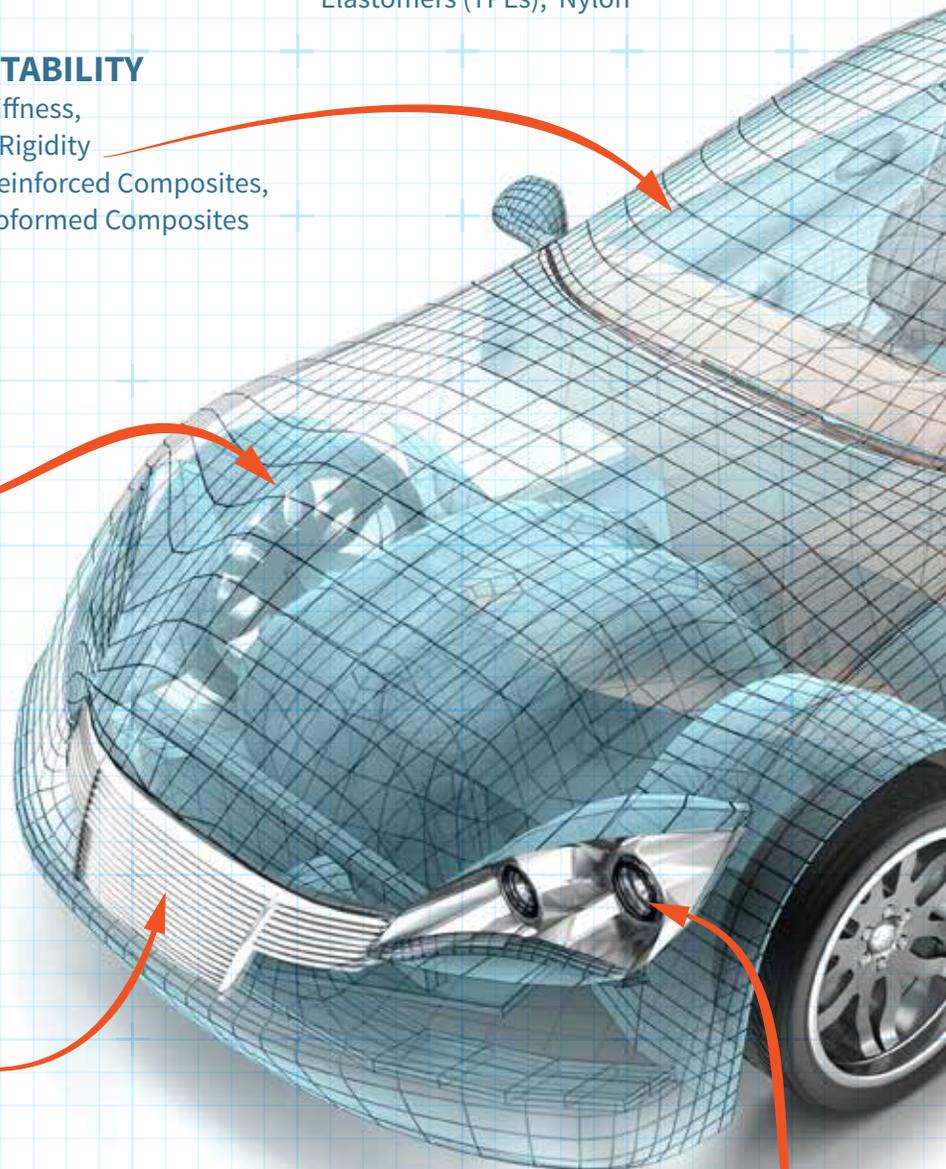
Thermal Management, LED Heat Sinks, VOC Odor & Particulate Emission Reduction

**SOLUTION:** Nylon Engineered Formulations, Glass Filled Polypropylene, Thermally Conductive Polycarbonate

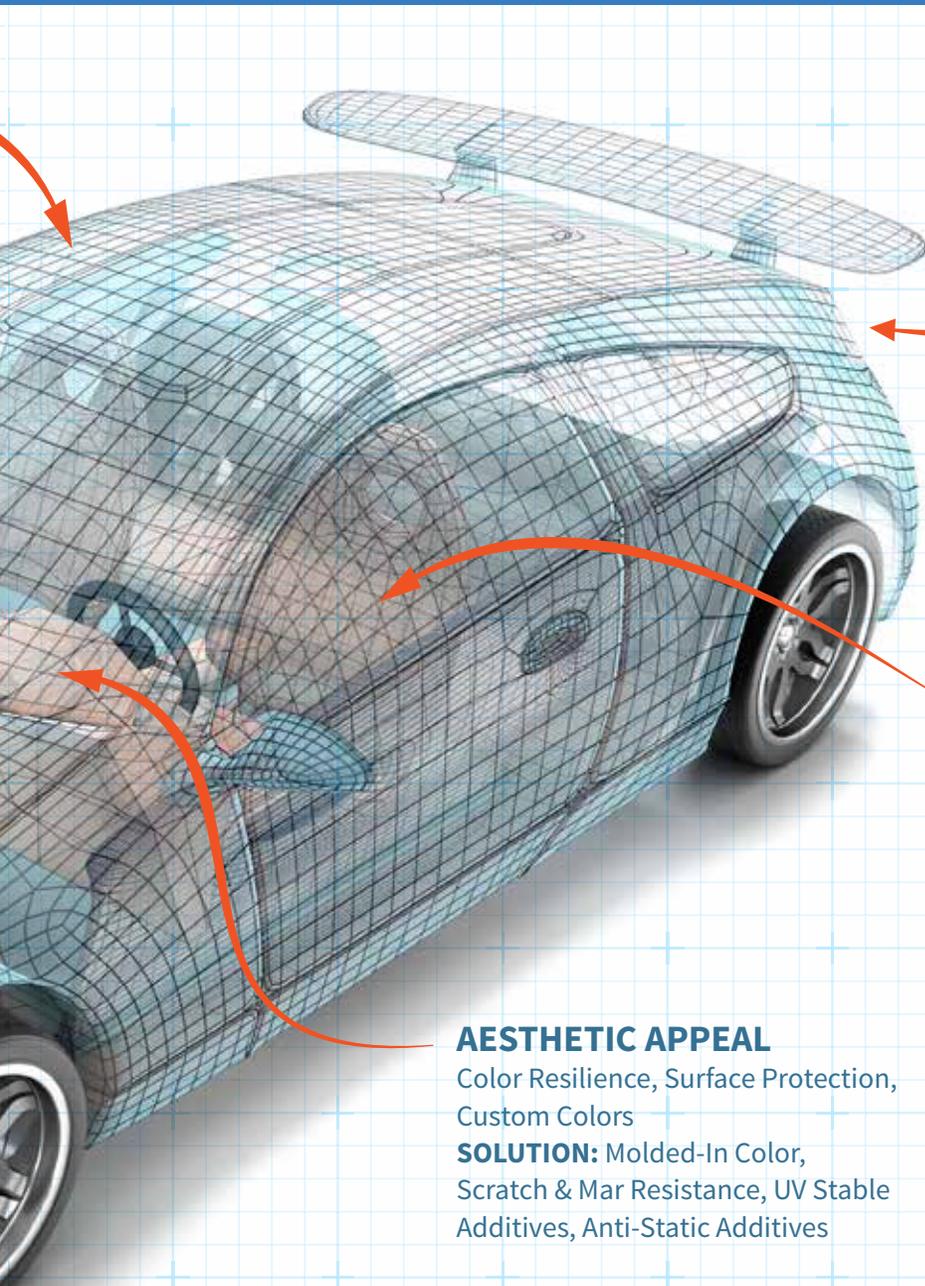
## EXTREME PERFORMANCE

Chemical & Fire Resistance, High Heat Management, Anti-Microbial

**SOLUTION:** Nylon Engineered Formulations, Anti-Microbial Additives, High Temperature Formulations



Your designs are fresh and forward thinking. As you continue to innovate, advanced polymer technologies can help you enhance your vehicle and the overall driver experience. From interiors, structural and under-the-hood components, to lighting, electronics and advanced user interfaces, we can help you develop components that will give your customers the features they desire. Formerra can work with you throughout the product lifecycle to help produce vehicles that enhance performance and make a lasting impression.



### **LIGHTWEIGHTING**

Metal Replacement, Cost & Weight Reduction, Excellent Strength to Weight Ratios, Greater Design Freedom  
**SOLUTION:** Engineered Formulations

### **SENSORY EXPERIENCE**

Vibration Damping & Noise Abatement, Touch & Texture Applications, Metal Replacement, Heat Transfer & Cooling Applications (cold to the touch)  
**SOLUTION:** Thermoplastic Elastomers (TPEs), Fiber Reinforced Composites, Thermally Conductive Formulations

### **AESTHETIC APPEAL**

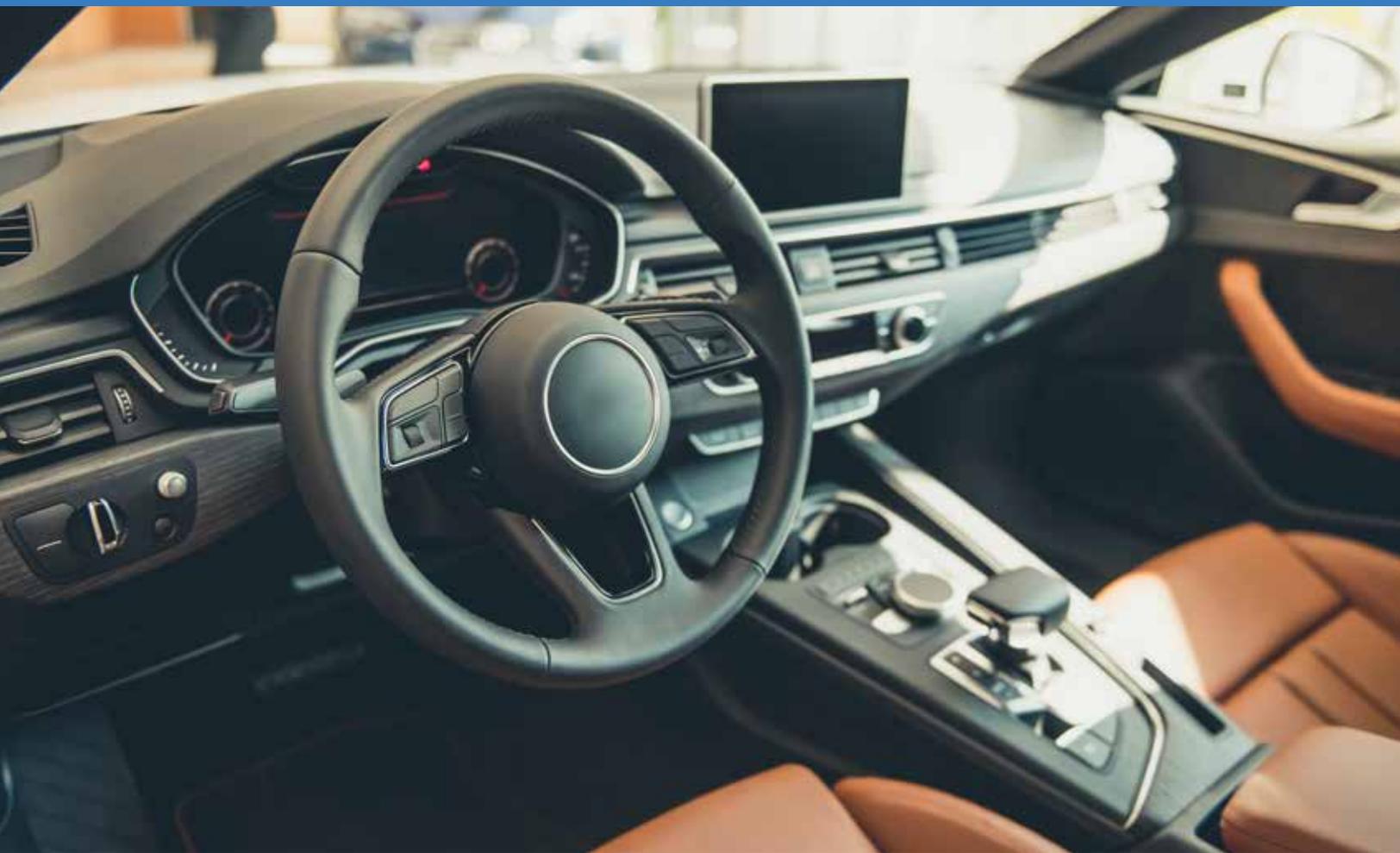
Color Resilience, Surface Protection, Custom Colors  
**SOLUTION:** Molded-In Color, Scratch & Mar Resistance, UV Stable Additives, Anti-Static Additives

### **LIGHTING**

Strength, Clarity, Impact Resistance, Durability, Interior & Exterior Applications  
**SOLUTION:** Styrenics, Polycarbonate, Nylon, High Heat Solutions, Acrylics

# TAKING THE WHEEL

Formerra can help you take charge to achieve the performance and quality your customers are seeking with our global network of suppliers, innovative materials and material science expertise. Achieve greater cost savings and leverage logistics support that can benefit both your business and your end consumer's bottom line. We will work with you to bring your design to market with greater speed and efficiency, taking the guesswork out of tasks like reducing cycle times or satisfying regulatory protocols. Take the wheel and drive innovation. We can help guide you.



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