TAKE THEM TO THE EDGE OF ADVENTURE

For enthusiasts, the ride out to the edge is a vital part of the overall outdoor experience. Gear up your customer for the ultimate experience using engineered polymers that perform.

DURABILITY
High Impact Strength, Weatherability
SOLUTION: PP, HDPE, ASA, Nylon Engineered Formulations

AESTHETIC APPEAL
Custom Color & Special Effects, Paint Replacement
SOLUTION: Custom Polymer Colorants, Pre-Colored High-Gloss Thermoplastics

THERMAL MANAGEMENT
LED Heat Sinks, Design Flexibility
SOLUTION: Thermally Conductive Formulations

TACTILE EXPERIENCE
Soft-Touch Feel, Durability
SOLUTION: Thermoplastic Elastomers (TPEs)

EXTREME PERFORMANCE
Chemical & Fire Resistance, High Temperature Performance
SOLUTION: Nylon Engineered Formulations, Long Fiber Reinforced Composites, Continuous Fiber Composite Tapes & Laminates, Flame Retardant Polyolefin Formulations

STRUCTURAL INTEGRITY
High Stiffness-to-Weight Ratio, Metal Replacement
SOLUTION: Pultruded Rods, Tubes & Custom Profiles, Long Fiber Reinforced Composites

METAL REPLACEMENT
Lightweighting, Heat Management, Load Carrying Capability
SOLUTION: Long Fiber Reinforced Composites, Continuous Fiber Composite Tapes & Laminates

STRENGTH & STABILITY
Excellent Dimensional Stability, High Stiffness, Impact Resistance
SOLUTION: Short & Long Fiber Formulations, Continuous Fiber Composite Tapes & Laminates

SENSORY EXPERIENCE
Vibration Damping, Durability, Customization, Custom Color, Low Friction
SOLUTION: Thermoplastic Elastomers (TPEs), Custom Polymer Colorants, Internally Lubricated Formulations, Advanced Composite Springs

STRIKING PERFORMANCE
Corrosion Resistance, Lightweighting
SOLUTION: Long Fiber Reinforced Composites, Nylon Engineered Formulations, Continuous Fiber Composite Tapes & Laminates, Chemical Foaming Additives

SURFACE PROTECTION
Performance Enhancements
SOLUTION: Scratch & Mar Resistance, UV Stable Additives, Anti-Static Additives

STRUCTURAL PERFORMANCE
Corrosion Resistance, Lightweighting
SOLUTION: Long Fiber Reinforced Composites, Nylon Engineered Formulations, Continuous Fiber Composite Tapes & Laminates, Chemical Foaming Additives

For more on material solutions for off-road vehicles, visit avient.com