

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, PE, HDPE, TPO, 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),
Thermoplastic Copolyester
Elastomer (TPC-ET)

STRUCTURAL 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

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

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

METAL REPLACEMENT

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

**For more on material solutions
for off road vehicles, visit [avient.com](https://www.avient.com)**

