

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

AESTHETIC APPEAL

Custom Color & Special Effects

SOLUTION: Custom Polymer Colorants

THERMAL MANAGEMENT

LED Heat Sinks,

Design Flexibility

SOLUTION: Thermally

Conductive Formulations

TACTILE EXPERIENCE

Soft-Touch Feel, Durability

SOLUTION:

Thermoplastic

Elastomers (TPEs)

STRUCTURAL INTEGRITY

Corrosion Resistance,
Lightweighting

SOLUTION: Advanced Composite Solutions, Long Fiber Reinforced Composites, Nylon Engineered Formulations

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, Thermoplastic Composite Tapes & Laminates

STRUCTURAL INTEGRITY

High Stiffness-to-Weight Ratio,
Metal Replacement

SOLUTION: Pultrusion and Continuous Filament Winding Technology

STRENGTH & STABILITY

Excellent Dimensional Stability, High Stiffness,
Impact Resistance

SOLUTION: Fiber Reinforced Composites, Thermoplastic Composite Tapes & Laminates

METAL REPLACEMENT

Lightweighting, Heat Management

SOLUTION: Advanced Composite Solutions, Long Fiber Reinforced Composites

SENSORY EXPERIENCE

Vibration Damping, Durability, Customization,
Custom Color

SOLUTION: Thermoplastic Elastomers (TPEs), Custom Polymer Colorants

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

PolyOne[™]