HEXPOL’s lightweighting expertise and knowledge of “green technologies” position us to help our customers identify and manufacture process.

Technologies in the auto and related industries specifically strive to reduce carbon emissions, both from the car and the polymer-based components.

Innovative capabilities from HEXPOL leverage proven concepts of lightweighting and “green technology” to help auto manufacturers achieve better fuel economy while reducing carbon emissions.

HEXPOL is working with key auto industry enterprises to promote compounds as preferred materials to meet automotive fuel efficiency, performance, and sustainability requirements. We assist with material selection and design, processing and customized compounds to help ensure end product excellence. A process with stability, reliability and builds on industry standards.

HEXPOL’s technical and chemical engineering teams are always there for the customer. They include polymer chemists, industry experts, technical sales or customer service representatives, engineers, technicians, chemists, and technicians, as well as our world-class and global resources.

For more information about legacy brands reviews, observing and analyzing attributes such as equipment, operator activities, and press or call 440.834.4644. For more information about legacy brands or call 440.834.4644.

HEXPOL can mix an assortment of rubber polymer types, including natural rubber, EPDM, SBR, NBR and FKM with added reinforcing and elastomer performance. Whether they are polymer chemists, industry experts, technical sales or customer service representatives, chemists, and technicians, as well as our world-class field technical service representatives are among the best in the world.

Together, they have seven U.S. patents and seven foreign patents in polymer bonding/chemistry. Their mission is to consult with customers, analyze processes, and provide personalized service that matches the product with the process.

### Lightweigting and “Green Technologies”

#### Thermo Plastic Elastomers (TPE)

TPES are formulated to have excellent color capabilities and are weather and UV resistant. TPES include: TPO, TPR, TPV, TPE, TP, and TPV.

#### Polysulfide

Polymer consisting of thermoplastic and filler such as fiberglass or carbon fiber. These resins are often used to make parts that replace metals in applications that require high temperature resistance, such as automotive powertrains.

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#### Performance Additives

Innovative, performance-driven additives, including heat additives, UV stabilizers, flame-retardants and friction modifiers, as well as color concentrates. HEXPOL has a comprehensive line of custom and standardized productivity enhancing products.

#### TPU

Thermoplastic Polyurethane – Thermoplastic polyurethanes offer the properties of both thermoplastics and thermosets, with improved flexibility and toughness.

#### Thermoplastic Polyoles (TPO)

Polyolefin – Polymers consisting of thermoplastic and filler such as fiberglass or carbon fiber.

#### Silicone

– We have a line of standard silicone compounds, including HCR, fluorosilicones, and silicone/EPDM compounds.

– Silicone compounds are used for rubber parts that replace metals in applications that require high temperature resistance, such as automotive powertrains.

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#### Liquid Rubber Compounds

– HEXPOL can mix an assortment of rubber polymer types, including natural rubber, EPDM, SBR, NBR and FKM with added reinforcing and elastomer performance.

#### Rubber

Rubber compounds are for customer service. HEXPOL provides a comprehensive line of standard compounds, including EPDM, TPE, TPO, and TPV.

#### Plastic Compounding

Plastic Compounding – Thermoplastic olefins (PE and PP), PET, and PVC.

#### High Temperature Resistant

– Silicone PTFE. Silicone/PTFE compounds are used for high temperature applications, such as engine gaskets and turbocharger hose.

#### Multipurpose

– Rubber compounds are used for rubber parts that replace metals in applications that require high temperature resistance, such as automotive powertrains.

#### Thermoplastics

TPEs are formulated to have excellent color capabilities and are weather and UV resistant. TPES include: TPO, TPR, TPV, TPE, TP, and TPV.

### Driven By HEXPOL: Compounding for the Auto Industry

Since more tires, brakes and steering systems are critical to the main function of automobiles, they are of great focus. HEXPOL’s rubber compounds for automotive applications have been recognized by award and customer satisfaction.

### HEXPOL Field Technical Services: Know How. Know Why.

HEXPOL’s field technical service representatives are among the best in the world. Together, they have seven U.S. patents and seven foreign patents in polymer bonding/chemistry. They have seven U.S. patents and seven foreign patents in polymer bonding/chemistry.

### Rubber Compounding for Global Automotive Applications

Driven By HEXPOL: Compounding for the Auto Industry

Since more tires, brakes and steering systems are critical to the main function of automobiles, they are of great focus. HEXPOL’s rubber compounds for automotive applications have been recognized by award and customer satisfaction.
HEXPOL AN Auto Industry Partner With... With a spongy cellular structure. HEXPOL is ideal for lightweighting.

HEXPOL is the leading global developer and manufacturer of quality rubber compounds that meet precise performance standards. HEXPOL’s mixing and compounding expertise provide “Best-in-Class” service to our automotive customers. Our team provides personalized service to customers of all sizes.

Superior Customer Service – HEXPOL’s industry leading polymer expertise, and sound absorption, to name a few.

High-Performance Compounding – Automotive rubber components require compounding – every batch, every time.

Advanced Technology – HEXPOL’s industry leading polymer expertise, combined with one of the largest research and development divisions enable us to give “Best-in-Class” service to our automotive customers.

HEXPOL’s mixing and product development know-how, enable us to give “Best-in-Class” service to our automotive customers. Our team provides personalized service to customers of all sizes.

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A Legacy of Excellence

HEXPOL has an extensive portfolio of material solutions for your unique application challenges.

Thermoplastic and TPE Compounding

Rubber Compounding

CBCL (Combustion Barriers in Cable Insulating Materials): HEXPOL’s CBCL technology provides inherent flame resistance and self-extinguishing properties to cable coatings, helping to prevent fire spread and reduce fire growth, minimizing system damages. CBCL technology also provides superior flame retardant properties while maintaining excellent mechanical properties, such as tensile strength and elongation.

Rubber Roll Applications

Engine Seals and Mass Air Flow: To ensure the best possible engine operation, a proper seal is required. HEXPOL offers a wide range of compounds for engine and engine accessory applications. We can tailor any compound to your specific needs.

HEXPOL offers a range of compounds that demonstrate outstanding performance in harsh environments, and brake fluids. HEXPOL compounds provide resistance to heat, aggressive chemical exposure.

Grommets: From door grommets to spark plug boots and air ducts. Whether optimizing existing formulations, or developing new formulations to meet your exacting needs from vane meter to hood exhauster, HEXPOL has the application expertise and our extensive line of material solutions, enables us to reduce variability in results, with reliable and repeatable performance.

Turbo Hose and Molded Air Duct: HEXPOL offers the right mix for all of your under-the-hood, and exterior applications. From battery cables to fuel lines, HEXPOL has a comprehensive portfolio of material solutions for your unique application challenges.

HEXPOL’s chemists can provide the ideal compound for your unique application challenges.

Brake Parts: Whether optimizing existing formulations, or developing new formulations to meet your exacting needs from vane meter to hood exhauster, HEXPOL has the application expertise and our extensive line of material solutions, enables us to reduce variability in results, with reliable and repeatable performance.

Brake Hose: From door grommets to spark plug boots and air ducts. Whether optimizing existing formulations, or developing new formulations to meet your exacting needs from vane meter to hood exhauster, HEXPOL has the application expertise and our extensive line of material solutions, enables us to reduce variability in results, with reliable and repeatable performance.

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