


Lubrizol

**INNOVATIVE
POLYMER
SOLUTIONS
FOR AUTOMOTIVE**




**LUBRIZOL
ENGINEERED
POLYMERS**

**ADVANCING MATERIALS.
ELEVATING PERFORMANCE.**



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The world's largest producer of specialty TPUs, The Lubrizol Corporation offers an extensive portfolio of bio-based*, light-stable, flame-retardant, breathable and chemically-resistant resins. Proudly serving many industries, Lubrizol Engineered Polymers is a total solutions provider dedicated to advancing materials and elevating performance of automotive.





MOLDED PARTS

Bio TPU™ offers ESTANE® ECO bio-based*, renewable materials for molding and over molding applications including gear knobs, door consoles and shutter pads.

SOFT TOUCH APPLICATIONS

BounCell-X™ TPU is a microcellular technology, thermoplastic recyclable* foam with close cell structure. It delivers highly-elastic, microcellular parts fit for superior cushioning and long-term durability.

INTERIOR ASSEMBLY

Pearlbond™ TPU offers superior foam-fabric bonding and plastic-to-metal bonding for hot melt adhesives and reactive hot melt adhesives. Pearlstick™ TPU for adhesives help ensure the proper union between substrates of different materials.

SURFACE PROTECTION

Aliphatic ESTANE® TPU provides exceptional protection against the harshest environments and temperatures. All while delivering aesthetic clarity, self-healing properties and outstanding weatherability.

*Bio-based content as certified in accordance with ASTM D-6866.

**Recyclability is based on access to a readily available standard recycling program that supports such materials. This product may not be recyclable in all areas.

Specialized Materials for Advanced Interiors



Lubrizol is committed to the advancement of today's vehicle interiors. Dedicated to helping our partners solve today's toughest challenges, we offer a versatile portfolio of ESTANE®, Pearlcoat™ and ESTANE® ECO thermoplastic polyurethane (TPU) to provide greater levels of comfort, durability and protection to vehicles across the globe.

DASHBOARD PANELS

ESTANE® TPU solutions for instrument panel skin in dashboards feature color-stable, low VOC materials for white and light-colored applications.

SEATS

Offering low VOC, ESTANE® TPU solutions feature comfort, durability and design freedom for vegan synthetic leather seats.

THE DRIVE BEHIND A SUSTAINABLE FUTURE

Focused on a sustainable future, Lubrizol Engineered Polymers is proud to offer Bio TPU™. Made with renewable-sourced materials (content ranging from 30%-70%), Bio TPU™ is equally as sustainable as it is durable. Passing the toughest automotive specifications for fogging, scratch-resistance, UV and hydrolysis resistance, it delivers the reliability and efficiency the industry demands without compromising performance.



ELECTRIC VEHICLES

Our expanded halogen-free, flame retardant (NHFR) ESTANE® TPU portfolio features high flexibility, durability and recyclability. Making it an ideal solution for electric vehicle charging cables.



To learn more, visit www.lubrizol.com/engineered-polymers.

LOCALLY PRESENT GLOBALLY NETWORKED

With local sales and technical support, R&D and manufacturing centers of excellence in each region, and a well-networked global supply chain, we offer a convenient, single source of reliable solutions for customers across the world.

Americas

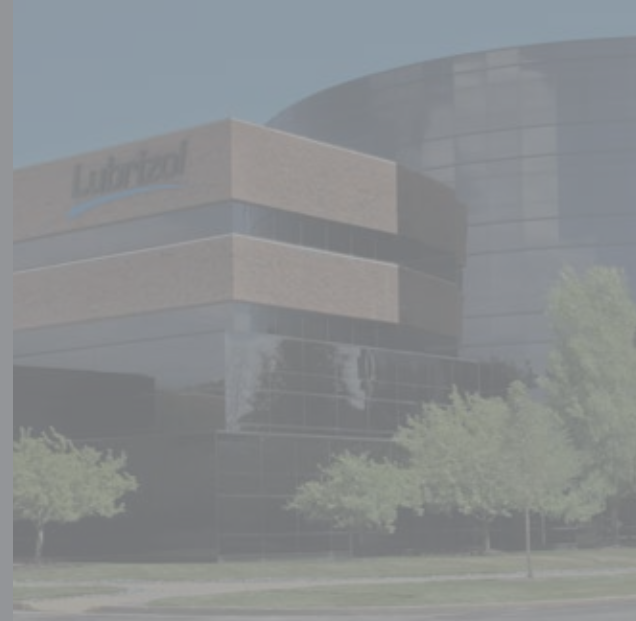
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