

**Lubrizol**

**INNOVATIVE  
POLYMER  
SOLUTIONS  
FOR AUTOMOTIVE**




**LUBRIZOL  
ENGINEERED  
POLYMERS**

**ADVANCING MATERIALS.  
ELEVATING PERFORMANCE.**



**LUBRIZOL**  
ENGINEERED  
POLYMERS

## **ADVANCING MATERIALS. ELEVATING PERFORMANCE.**



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.





A high-quality photograph of a luxury car's interior, featuring a leather-upholstered steering wheel, a modern dashboard with digital displays, and leather seats. The image is used as a background for the text overlays.

## MOLDED PARTS

Bio TPU™ offers Pearlthane™ 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 Pearlthane™ 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

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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](http://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

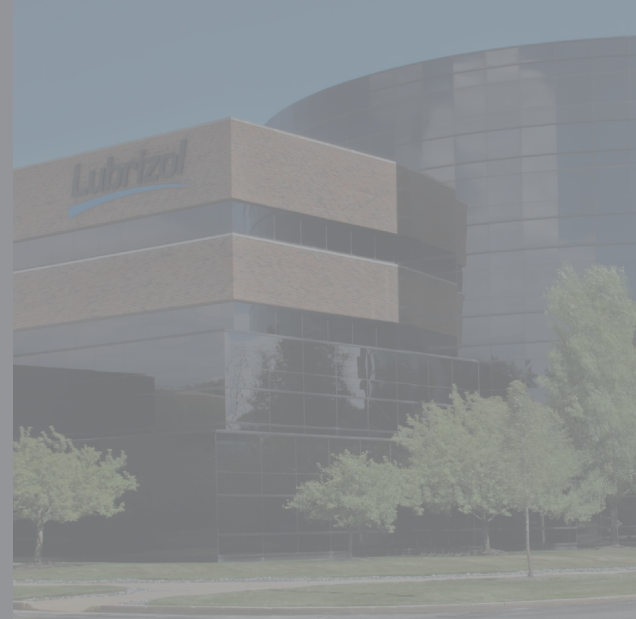
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