



**AURORA**  
**TEC**<sup>™</sup>

**TPU Composites**

## Take impact resistance to the next level with AuroraTec<sup>™</sup> TPU

When you need all the reinforcement you can get, you can trust AuroraTec<sup>™</sup> TPU to deliver the outstanding mechanical stiffness and strength you need. Our unique formulation of TPUs maintain high modulus, offering an excellent combination of chemical-, impact-, scratch-resistance and stiffness to replace metal or aluminum in many cases.

### What is a TPU composite?

TPU composites are thermoplastic elastomers consisting of linear segmented block copolymers composed of hard and soft segments. As part of our AuroraTec<sup>™</sup> family of products, these TPU grades are fiberglass-reinforced at varying levels. The fiberglass reinforcement offers excellent stiffness and mechanical strength while maintaining excellent abrasion, chemical, and oil and grease resistance, with improved heat resistance over an unreinforced TPU.

In addition to delivering strength and durability, AuroraTec TPUs assure you have the aesthetic flexibility you need across a variety of applications – including recreation equipment, U.S. Military gear and consumer products. Composites are available in pellet form for the ultimate in processing flexibility.



**AURORA** Material Solutions<sup>™</sup>

For more information on products and services from Aurora Material Solutions, call us today at **330.422.0700** or visit us at [www.auroramaterialsolutions.com](http://www.auroramaterialsolutions.com).

## TPU Composite Applications:

- › Agriculture
- › Consumer
- › Furniture
- › Industrial
- › Recreation
- › U.S. Military
- › Tools & Hardware

## Part of the AuroraTec™ family of products.

AuroraTec composites can also be used for Interior or exterior applications and are UL recognized.

Exterior composites exhibit impact resistance, toughness and heat resistant properties, making them ideal for exterior weatherable applications. Highly versatile, AuroraTec interior grade composites can be used as stand-alone composites or as structural substrates, along with capstock, in two-part systems.

Either way, AuroraTec™ composites provide a wide processing window and demonstrate resistance to electrical failure far surpassing metal conduits under similar conditions of heat exposure due to their lower thermal conductivity.

## Cutting Edge Solutions

Aurora Material Solutions provides the technical knowledge and support to customize composites to meet exact customer needs. Each new TPU composite starts with a comprehensive review of your application. Contact us to engineer, test, manufacture and deliver a custom composite that will exceed your expectations and fit your budget. You can trust us to deliver an engineered thermoplastic composite to outperform comparable industry brands, backed by the knowhow and service of Aurora Material Solutions.



# AURORA TEC™

TPU Composites

Our plants' quality management systems are certified to ISO 9001:2015.