



NEWS RELEASE
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Revolutionizing Barrel Performance: Avient Highlights Composite Heat Release Innovation at SHOT Show Supplier Showcase 2026

LAS VEGAS – December 15, 2025 – Avient Corporation, an innovator of material solutions, will present its latest innovations for the shooting sports industry at the SHOT Show Supplier Showcase 2026, January 19–20, at the Venetian Expo in Las Vegas. Among the highlights is Avient’s **Composite Heat Release technology**, a patent-pending solution developed to improve firearm barrel performance.

This multi-layer composite combines ceramic and carbon fiber-reinforced materials, which are applied to steel barrel bores provided by the firearms manufacturer. By accelerating heat transfer through the composite sleeve, the technology reduces barrel bore temperature during extended firing, lowers overall weight, and increases stiffness compared to traditional steel barrels — delivering exemplary performance for sport shooting and hunting applications.

Avient’s full material portfolio for shooting sports and defense will be featured at the Supplier Showcase exhibit, including:

- **Gordon Glass™ Archery Bow Limbs**
- **Glasforms™ Pultruded Rods, Tubes, and Custom Profiles**
- **GlasArmor™ Ballistic Resistant Panels and ThermoBallistic™ Composite Panels**
- Ballistic protection with **Dyneema®**, the world’s strongest fiber™, for law enforcement and military defense applications
- Engineered polymer formulations for firearm components
- Long fiber thermoplastics for archery components
- Thermoplastic elastomers (TPEs) for grips, recoil pads, and gun straps

“SHOT Show is the ideal venue to connect with manufacturers and industry leaders,” said Brad Schmidt, General Manager, Advanced Composites at Avient. “We’re excited to demonstrate how our advanced materials can help improve products for shooting sports through lightweighting, strength, and enhanced functionality.”

Avient will exhibit at the **SHOT Show Supplier Showcase, January 19–20, 2026**, at the Venetian Expo in Las Vegas, booth 52021.

Explore Avient's website to learn more about [Composite Heat Release technology](#), [advanced composites](#), [Dyneema®](#), [long fiber technologies](#), [engineered polymer formulations](#), and [thermoplastic elastomers](#).

About Avient

Our purpose at Avient Corporation (NYSE: AVNT) is to be an innovator of materials solutions that help our customers succeed, while enabling a sustainable world. Our local touch and customer engagement, combined with our global presence, allows us to serve customers with agility. We harness the collective strength of more than 9,000 employees worldwide to collaborate and build on each other's ideas. In doing so, we innovate solutions that help our customers overcome their challenges or capitalize on opportunities provided by the fast-changing world and secular trends. Our expanding portfolio of offerings includes colorants, advanced composites, functional additives, engineered materials, and Dyneema®, the world's strongest fiber™. By intersecting our broad portfolio of technologies with the product roadmaps of our customers, we help create differentiated and high-performance products that make the world better and more sustainable. Visit www.avient.com to learn more.

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