



» PRODUCT BULLETIN

Composite Heat Release Technology for Firearm Barrels

Firearm manufacturers are constantly seeking new and innovative ways to improve on performance and overall customer appeal. The configuration of the barrel is a key factor that can affect the accuracy as well the aesthetics of the firearm.

Avient Composite Heat Release is a new, patent-pending material innovation that can help manufacturers reduce weight and add stiffness to firearm barrels. The proprietary carbon fiber and ceramic composite technology is developed to expedite heat transfer from the barrel bore to improve overall performance.

KEY CHARACTERISTICS

- Incorporates ceramic and carbon fiber reinforced composite onto a manufacturer-provided, Sporting Arms and Ammunition Manufacturers' Institute (SAAMI) compliant steel barrel blank
- Reduces overall barrel weight

- Increases barrel stiffness
- Improves heat transfer and reduces barrel bore temperature over multiple rounds

Composite Heat Release Technology is customizable for each application and its unique requirements. For more information, please contact Avient to speak with our Outdoor High Performance material experts.



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