ST2070 HP
HIGH PERFORMANCE SILENTEX® ROVING

ST2070 HP single-end Type 30™ roving is specifically designed to be highly effective in reducing sound while increasing resistance to muffler blowout. Created for use in the Silentex® exhaust muffler filling process, the product has improved temperature and corrosion resistance over traditional E-CR and E-glasses, resulting in better silencer performance.

- Robust solution to support increasing inlet temperatures in mid and front mufflers.
- Meets demanding acoustic requirements, and lower overall cost of silencers as well as reduced weight, volume and back pressure.

FOR DEMANDING NOISE CONTROL SOLUTIONS USING SILENTEX®

Product Benefits

Enhanced Service Life & Durability

- HP glass provides longer service life with a high-temperature composition specifically engineered for the use in the Silentex® process, which minimizes process interruptions and ensures overall product efficiency.
- Glass annealing temperature ≥ 750°C (according to ASTM C336).
- Based on the available data and experience, Owens Corning recommends using ST2070 HP at a maximum continuous glass temperature of ~775°C.
- Improved alkaline and acid corrosion resistance compared to regular E-CR glasses and E-glass.

Excellent Processing

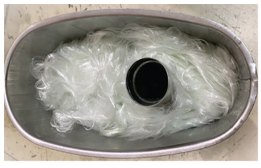
- Smooth run-out from lower drag across contact points produces less fuzz, resulting in smoother parts, less clean-up, and improved machine efficiencies.

Consistent Performance

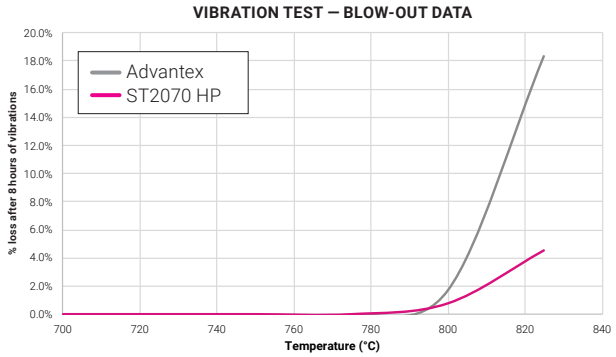
- Narrow and consistent fiber diameter distribution for consistent acoustic absorption, and fibers not respirable into the deep lung.

Application

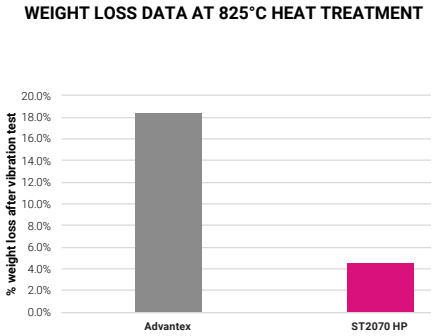
ST2070 HP is designed for use in the manufacture of front and mid automotive muffler systems (especially in direct injection engines) where the inlet temperatures exceed the characteristics of E-CR glasses.



Technical Characteristics



Conditions: fiber heat treatment for 8 hours; vibration for 8 hours at 47 Hz



Test criteria: 8-hour heat treatment and vibration for 8 hours at 47 Hz

Availability and Packaging

PRODUCT	AVA FILAMENT DIAMETER (µm); ISO 1888	LINEAR DENSITY (TEX); ISO 1889	LOSS ON IGNITION (%); ISO 1887	MOISTURE (%); ISO 3344
ST2070 HP	24	4800 ± 400	0.34 (max 0.5)	< 0.2

Each pallet can be packaged in Creel-Pak™ packaging format. Pallets are stretch wrapped for load stability and for protection during transport. All individual packages are wrapped with Tack-Pak™ packaging to aid package run-out and transfer. More information is available in the Customer Acceptance Standards.

Labeling

Each individual package is labeled with information, including product name, tex/yield, producing plant, and production date.

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The glass fiber products must remain in their original packaging material until the point of usage. The product should be stored in the workshop in its original packaging for 48 hours prior to its utilization to allow it to reach the workshop temperature condition and prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water.

When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to ensure optimum performance.

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