



ST2070 OPTIMAL NOISE REDUCTION, LESS COST

ST2070 single-end Type 30™ roving is specifically designed for use in the Silentex® Exhaust filling process. The product is designed to minimize process interruptions and ensure efficiency in filling automotive mufflers with continuous fibers. This creates a muffler that is highly effective in reducing sound with increased resistance to blowout.

- Robust solution to meet demanding acoustic requirements, support increasing engine temperatures, and lower overall cost of silencers as well as reduced weight, volume, and back pressure.
- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.

FOR DEMANDING NOISE CONTROL SOLUTIONS USING SILENTEX®

Product Benefits

Enhanced Service Life & Durability

- Advantex® glass provides longer service life with a high temperature composition specifically engineered for use in the Silentex® process, which minimizes process interruptions and ensures overall product efficiency.
- Fibers remain continuous and resist blowout with five times the strength of basalt wool and twice the strength of E-glass under the most corrosive conditions.
- Glass annealing point $\geq 720^{\circ}\text{C}$ (according to ASTM C336).
- Based on the available data and experience, it is recommended to use ST2070 at a maximum continuous glass temperature of $\sim 740^{\circ}\text{C}$.

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 reliable sound absorption for reduced fill density compared to basalt preforms or needle felt.

Applications

ST2070 is designed for use in the manufacture of cost-effective automotive muffler systems with optimal durability and acoustic performance.



Availability & Packaging

PRODUCT	AVE. FILAMENT DIAMETER (μ): ISO 1888	LINEAR DENSITY (TEX): ISO 1889	LOSS ON IGNITION (%): ISO 1887	MOISTURE (%): ISO 3344	MANUFACTURING REGION
ST2070	24	7000±560; 4800±400	0.34 (max 0.5)	<0.2	Americas, Europe, Asia Pacific

MANUFACTURING REGION	PRODUCT (TEX)	PACKAGING	PALLET WIDTH (MM/IN)	PALLET LENGTH (MM/IN)	PALLET HEIGHT (MM/IN)	PALLET NET WEIGHT (KG)
Americas (U.S.)	ST2000 4800	Creel-Pak™	1150.62/45.3	1150.62/45.3	1219.2/48	~1215
Americas (U.S.)	ST2070 7000	Creel-Pak™ 1end	1150.62/45.3	1150.62/45.3	1219.2/48	~1095
Americas (U.S.)	ST2070 7000	Creel-Pak™	1150.62/45.3	1150.62/45.3	914.4/36	~864
Europe (France)	ST2070 7000	Creel-Pak™ 1end or 2end and Bulk	800	1200	1000	750–760
Asia Pacific (China)	ST2070 7000	Creel-Pak™ 1end and Bulk	1150	1150	1000	~900
Asia Pacific (China)	ST2070 7000	Creel-Pak™ 1end and Bulk	900	1150	1000	~675
Asia Pacific (India)	ST2070 4800	Creel-Pak™ 1end and Bulk	1030	1030	1000	950–1100
Asia Pacific (India)	ST3000 4800	CTC boxes	1030	1030	500	500–550
Asia Pacific (India)	ST2070 4800	Single Ero Bulk Pack	1030	1030	1000	950–1100
Americas (Brazil)	ST2000 4800	Creel-Pak™ 1end and Bulk	970	129	1100	1000–1100
Asia Pacific (South Korea)	ST1000 4800	Creel-Pak™	100	1100	1000	~850

Each pallet can be packaged in bulk or 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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