

RAITECH. ■ RAIGLASS® SQ-540e

Data Sheet.

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Ideal for sealing doors and manholes.

RAIGLASS® SQ-540e is a braided square cord manufactured from high-quality textured "E" type fiberglass yarns. Its continuous braiding process provides excellent flexibility, mechanical strength, and high thermal insulation capacity. The textured yarns trap a greater amount of air, improving its performance as a thermal barrier. It is a 100% asbestos-free, safe, and highly efficient alternative for industrial sealing applications.

Main Features:

- **Zero Asbestos:** Completely safe for the health of operators and environmentally friendly.
- **High Compressibility:** Adapts perfectly to irregular surfaces, ensuring an airtight seal that prevents gas and heat leakage.
- **Mechanical Resilience:** Its braided weave prevents the cord from fraying easily when cut or handled, maintaining its cylindrical shape under pressure.
- **Low Thermal Conductivity:** Retains heat efficiently, improving the energy performance of equipment.
- **Chemical Resistance:** Excellent stability against most industrial chemicals, solvents, and oils.
- **Biological and Environmental Resistance:** Immune to fungal and bacterial attack. Does not degrade upon exposure to the elements or sunlight.
- **Humidity Resistance:** Zero hygroscopic properties; does not absorb water and maintains its thermal characteristics in humid environments.

Recommended Applications

- **Door Sealing:** Industrial ovens, boilers, wood stoves, chimneys, and incinerators.
- **Thermal Insulation:** Wrapping of high-temperature exhaust pipes and thick-gauge cables.
- **Gaskets and Packings:** Filler for expansion joints, pipe flanges, and thermal inspection chambers.
- **Foundry and Metallurgy:** Seal in crucible lids and metal extrusion equipment.
- **Base Support:** Core for manufacturing "Tadpole" type packings.

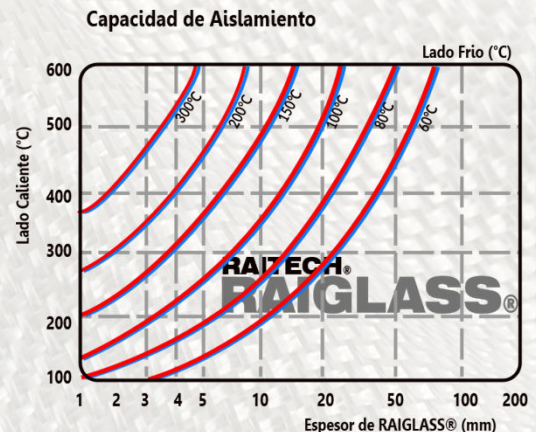
** Above 200°C, the product may smoke, due to the degradation of organic components, without altering its functioning.



TECHNICAL DATA:

Properties:	RAIGLASS® SQ-540e	Packing
Composition:	RAIGLASS® E (Texturized type "E" Glass Fiber)	
Temperature, Max:	1,004	°F (peak)
Temperature, Continuous:	932	°F
Heat Shrinkage:	3	%
Tensile strength, μ :	9-11	
Availability:	RAIGLASS® SQ-540e	Packing
Shape:	Square Braided	
Diameter / Length:	1/4" / 650 ft 3/8" / 368 ft 1/2" / 220 ft 5/8" / 158 ft 3/4" / 108 ft 1" / 69 ft 1-1/2" / 33 ft 2" / 82 ft	
Tolerances:		±10 %

****Thickness tolerance: ±10%** **Length tolerance: ±5%****



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All technical information and recommendations given in this document are based on our experiences, however, we do not accept any liability. The data and values presented must be reviewed by the user, assuming that success in sealing can only occur by evaluating all parameters and variables directly on the job site. The parameters in this document are approximate and may have mutual influence if they occur simultaneously, please contact us in critical applications or where there is doubt.