

RAITECH. ■
RAIGLASS®
 RB-550e

Ideal for sealing doors and manholes.

RAIGLASS® RB-550e is a braided round 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. It does not degrade upon exposure to the elements or sunlight.
- Humidity Resistance: Zero hygroscopic properties; it 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 Sealing: Filler for expansion joints, pipe flanges, and thermal inspection chambers.
- Foundry and Metallurgy: Sealing of crucible lids and metal extrusion equipment.
- Base Support: Core for manufacturing tadpole gaskets.

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



TECHNICAL DATA:

Properties:	RAIGLASS® RB-550e	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® RB-550e	
Shape:	Round - Braided	Packing
Diameter / Length:	1/4" / 450 ft 3/8" / 577 ft 1/2" / 338 ft 5/8" / 220 ft 3/4" / 147 ft 1" / 85 ft 1-1/2" / 35 ft	
Tolerances:		± 10 %

****Thickness tolerance: $\pm 10\%$ **Length tolerance: $\pm 5\%$ ****

