

# REFRASIL<sup>®</sup> Rope Gasket & Sleeving

## Rope Gasket & Sleeving Products



### Rope Gasket Sealing Material for Temperatures up to 1800°F (982°C)

REFRASIL Rope Gasket is a dimensionally controlled, high-density, braided, high silica (<96% SiO<sub>2</sub>) product intended for service temperatures up to 1800°F (982°C).

Produced in five sizes - 1/4" through 1" diameter REFRASIL Rope Gasket is braided from texturized yarns, pre-shrunk, and treated with a hydrocarbon finish to improve its abrasion resistance and ease of handling.

**Availability** - REFRASIL's textiles are available in a variety of product forms to suit each customer's specific needs: cloth, tape, sleeving rope, yarn, cordage, batt and bulk fiber.

All textiles can be purchased through a nationwide network of stocking distributors.

### Rope Gasket Properties

Product Code	Nominal Diameter (in.)	Density (lbs./cu.ft.)	Yield (ft./lb.)	Breaking Strength Ambient Temp. (lbs.)	Shrinkage At 1600°F (%)
RG-1/4	.23	44	82	40	.06
RG-3/8	.33	45	38	60	.06
RG-1/2	.47	31	24	140	.06
RG-3/4	.73	31	11	250	.07
RG-1	.96	36	6	470	.08

**Packaging** - REFRASIL RG-1/4, RG-3/8 and RG-1/2 are packaged as 100 lineal feet spools, two spools to a carton. RG-3/4 and RG-1 are packaged as 50 lineal feet spools, two spools to a carton.

**Typical Applications** - REFRASIL Rope Gasket can be used where compact, dense, high-temperature performance compressive seals are required, e.g., partial grooves in furnace or oven doors where the rope is not entirely contained. It also is used as a sealing element in many types of manufacturing equipment which handle heat, such as furnaces, boilers and ovens.

In small-diameter high-temperature gasketing applications, REFRASIL Rope Gasket is an excellent alternative to asbestos and ceramic fiber-braided ropes and wicks.

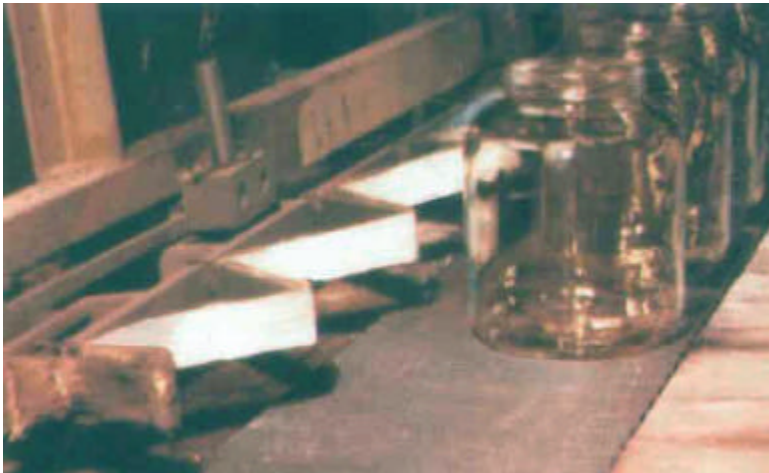


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# REFRASIL® Rope Gasket & Sleeving

## Rope Gasket & Sleeving Products



→ REFRASIL heavy wall sleeving (HWS-1) covering assembly line equipment components provides protection against contamination and marking of hot glass containers.



® REFRASIL sleeving insulates blast furnace water cooling hoses in steel mill.

### REFRASIL Asbestos-Free Textiles are Designed To Perform Continuously to 1800°F (982°C)

REFRASIL industrial insulation textiles are pure silica products with the high-performance capabilities of a refractory material. They provide insulation and protection in continuous environments to 1800°F (982°C), retaining their original textile characteristics. REFRASIL is relatively inert and resists most chemical attack. It provides outstanding protection in electrical insulation applications with good dielectric strength of 40 volts/mil of thickness.

With REFRASIL textiles, maintenance time, labor, and energy costs can be reduced. Parts, materials, equipment, personnel, and machinery can be protected from potential damage and destruction caused by molten metal splash, sparks, and radiant heat.

**Sleeving Does Not Lose Strength and Remain Flexible to 1800°F** - REFRASIL Braided Sleeving is the solution for an efficient, low maintenance thermal insulation. Absolutely fireproof, it is also resistant to oxidation and most corrosive solutions, and does not degrade in the presence of water.

REFRASIL Sleeving is available as standard or heavy wall. The looser braid of standard sleeving can accommodate a large variety of diameters. Heavy wall sleeving has a very tight and thicker braid for maximum thermal protection.

### Sleeving Properties

Product	Code	Nominal I.D. (in.)	Maximum I.D. (in.)
Standard Nominal Wall Thickness - .032 in	UB-3/4	3/4	0.95
	UB-1	1	1.35
	UB-1-1/2	1-1/2	2.50
	UB-2	2	3.20
Heavy Wall Nominal Wall Thickness-.065 in.	UB-2-1/2	2-1/2	3.30
	HWS-3/8	3/8	.040
	HWS-1/2	1/2	.060
	HWS-1	1	1.10
	HWS-1-1/2	1-1/2	1.60

**Packaging-** REFRASIL Sleeving products are typically packaged as 50 lineal feet spools.



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