

RAITECH® GUARNISIL® HRA-285T

Our solution for high temperatures.

GUARNISIL® 285T translucent silicone is a highly transparent and pure inorganic-based elastomer. Its chemical composition provides exceptional inertness, meaning it does not react with the final products or alter their organoleptic properties (taste, odor, or color). It is the standard sealing solution for the healthcare and consumer goods industries thanks to its resistance to bacterial and fungal growth.

Competitive Advantages:

Chemical and Biological Inertness: It prevents bacterial growth on its surface and resists aggressive disinfection processes (such as steam or alcohol).

Weather Resistance: Although it is sanitary grade, it has unbeatable resistance to ozone and UV rays, preventing yellowing or crystallization over time.

Recommended Uses:

Fluids: Purified water, juices, milk, serums, syrups, and hot air.

Critical Limitations: Not recommended for contact with oils, gasoline, organic solvents or high pressure steam (above 15 psi).

Pharmaceutical and Laboratory Industry:
Seals for autoclaves and sterilization ovens.
Caps and gaskets for reagent bottles and high-purity containers.

Food and Beverage Industry:
Gaskets for ice cream machines and soft drink dispensers.
Packaging for dairy processing equipment (yogurt, milk, cheese).
Seals for convection ovens where a white/clear aesthetic is preferred.

Electronics and Lighting Industry:
Protective covers for LED strips and luminaires requiring transparency for light transmission.
Insulators for electronic components that generate heat.



We can cut the parts for you.



www.raitech.mx

DATA SHEET

VMQ - Vinyl Methyl Silicone, High Temperatures

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TECHNICAL DATA

Properties:	GUARNISIL® 285T	Sheet
Composition:	VMQ - Methyl Silicon Vinyl, FDA	
Flange Face:	FF - Flat Face	
Temperature, Max:	482	°F
Temperature, Continuous:	446	°F
Temperature, Min:	-58	°F
Pressure, Max:	290	psi
Density:	78.04	Lb/ft3
Hardness, Shore A:	60-65	
Elongation at break:	580	%
Tensile strength:	56.892	psi
P x T @ 1/16, Psi x °F:	19,980	
P x T @ 1/8, Psi x °F:	16,650	
Availability:	GUARNISIL® 285T	Roll
Availability:	39.4" Wide 1/32" / 39.4" / 33ft 1/16" / 39.4" / 33ft 1/8" / 39.4" / 33ft 3/16" / 39.4" / 33ft 1/4" / 39.4" / 33ft	
Notes:	Other sizes available upon request. *** Thickness tolerance: ±10%. Dimensional tolerance: ±5%	

*****Maximum Temperature and pressure ratings shouldn't occur simultaneously.**

Trusted Sealing Solutions.