

Technical Data Sheet

SilSo Lite 21025 **Medium Density, Silicone Foam**

PRODUCT DESCRIPTION

SilSo Lite 21025 is a low viscosity, medium density, two-component, silicone foam ideal for applications where lightweight and low smoke, flame, or toxicity properties are required.

KEY FEATURES

- Flowable – low viscosity for easy dispensing
- Fast curing
- Primerless adhesion
- Low smoke, flame and toxicity upon combustion
- Medium density, closed cell
- Flame retardant
- Thermally insulative
- Wide operating temperature range (-50 C° to 200+ °C)

MAIN APPLICATIONS

- Potting
- Encapsulation
- Barrier
- Staking

TYPICAL PROPERTIES

UNCATALYZED		
PROPERTY	SilSo Lite 21025 A	SilSo Lite 21025 B
Appearance	Black	Clear
Specific gravity	1.17 g/cm ³	1.00 g/cm ³
Viscosity	22,000 cps	12,000 cps

CATALYZED	
MIX RATIO 1:1 by Volume	
PROPERTY	RESULT
Mix Ratio	1:1 by volume
Gel Time*, secs	140
Cure Time, mins	10

**The time required for the material to have a gel-like appearance, timed immediately after dispensing the product.*

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CURED PROPERTIES	
PROPERTY	RESULT
Adhesion	A primer may be necessary
Elongation, %	70
Density	25 lb/ft ³
Flame Retardancy**	UL-94 V-1 minimum
Useful temperature range	-50 °C to 200 °C

***Anticipated rated, testing in process.*

MIXING

In order to achieve optimum performance, the same lot number of SilSo Lite 21025 A and SilSo Lite 21025 B should be used.

SilSo Lite 21025 A and SilSo Lite 21025 B should be thoroughly mixed prior to catalyzation.

Mixing by hand:

Catalyze SilSo Lite 21025 A with SilSo Lite 21025 B at a ratio of 1.17:1.00 by weight (1:1 by volume) using a clean plastic or metal container of approximately 3 times the volume of the material and mix by hand. Accurate weighing of all components, on a suitable scale, is essential for optimal product performance when mixing by hand. Given the effect of extended mixing on cell formation and fast gel time, cartridge or automated machine dispense is recommended.

Mixing and dispensing with automatic equipment:

Use a mixing system that will properly mix the SilSo Lite 21025 A and SilSo Lite 21025 B at a 1:1 ratio by volume.

STORAGE AND SHELF LIFE

This product is best when used within 6 months from date of manufacture. See product label and/or CoA for specific "Use By Date".

Product should be stored in its original, unopened container in an environment that does not exceed 38 °C (100 °F).

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case, the properties required for the intended use should be checked for quality assurance reasons.

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DISCLAIMER

The technical data listed is provided for reference only and is not intended as product specifications. CHT USA's team accepts opportunities to either modify specifications in a current product or custom formulate a new one to meet your requirements. For sales and technical assistance, please contact us at: **(804) 271-9010** or **1-800-852-3147**.

Please be sure to visit our website daily for our complete product portfolio, new product introductions and more:

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