

**INDUSTRY
SOLUTIONS.**

**Material
Solutions.**

CHT

**SMART CHEMISTRY
WITH CHARACTER.**

 **Chemical
Concepts**[™]
Our expertise is your solution.

chemical-concepts.com
800.220.1966
410 Pike Road • Huntingdon Valley, PA 19006

SILSO LITE 21025

SILICONE FOAM FOR ELECTRONICS & EV BATTERIES

- ▶ Flowable
- ▶ Fast Curing
- ▶ Primerless Adhesion
- ▶ Flame Retardant

www.cht.com

SILICONE FOAM FOR WEIGHT REDUCTION

Designing lighter weight components has widely become a key trend in the Transportation sector to reduce energy or maximize the range of electric vehicles.

CHT's SilSo Lite 21025 is a 2-part, room temperature platinum cure, self-blowing silicone foam which creates a closed-cell structure. It is designed to reduce weight - as well as mitigate thermal runaway and provide protection from moisture, debris, vibration and shock for electronic components and EV battery modules.

SilSo Lite 21025 features a fast gel time for increased production throughput and primerless adhesion to a variety of substrates. This silicone foam will expand 2-3 times its liquid volume and will reach full cure in about 10 minutes.



KEY FEATURES

- ▶ Flowable - low viscosity for easy dispensing
- ▶ Fast curing - enhances process efficiency
- ▶ Primerless adhesion
- ▶ Medium density, closed cell
- ▶ Flame retardant
- ▶ Thermally insulative
- ▶ Wide operating temperature range (-55 °C to 200 °C)
- ▶ Noise dampening and cushioning properties

APPLICATIONS

- ▶ Lightweight potting and encapsulation
- ▶ EV battery packs
- ▶ PCB staking
- ▶ Insulation



KEY PROPERTIES

Product	Mix Ratio (by weight)	Colour	Mixed Viscosity	Gel Time	Specific Gravity	Density
SilSo Lite 21025	1:1	Black	17,000 cP	140 seconds	1.10	0.4 g/cm ³

The data are standard values and not suitable for establishing specifications. Please note that the given values were determined in the laboratory and must be verified in tests for your specific manufacturing processes under the conditions in practice.

Interested in further information or product samples?
Please contact us: material@cht.com

www.cht-silicones.com

CHT
SMART CHEMISTRY
WITH CHARACTER.

Version 03.2022