



## GFL 3000 SL

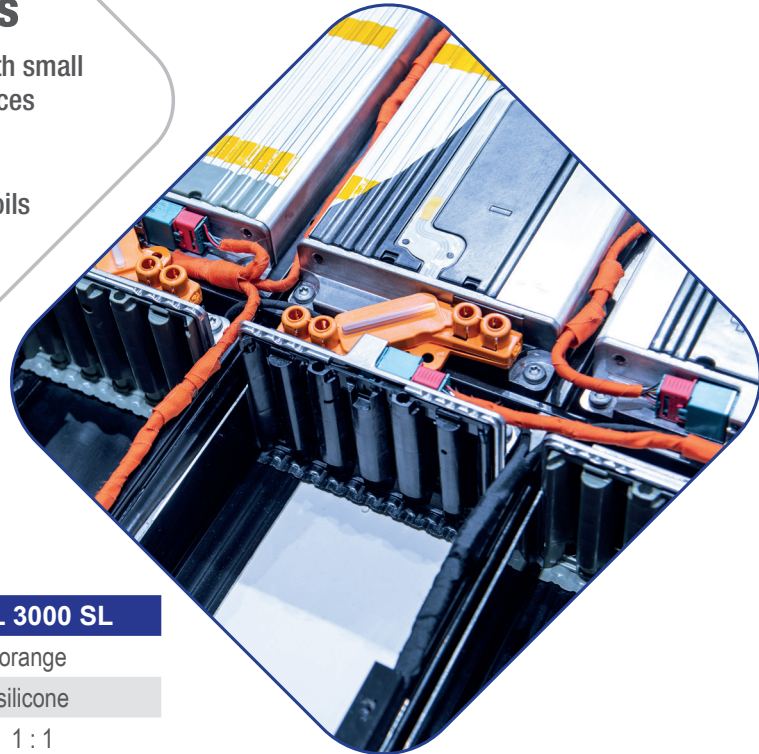
### Gap Filler Liquid

### Applications

- ◆ All applications with small fabrication tolerances
- ◆ Encapsulation
- ◆ Batteries
- ◆ Electromagnetic coils

### Benefits

- ◆ Room temperature curing
- ◆ Liquid assembly
- ◆ compatible with industrial production sequences
- ◆ High thermal Performance



Properties	Unit	GFL 3000 SL
Colour		orange
Basic material		silicone
Mixing ratio		1 : 1
Curing	T[°C]	1h ; 25 °C
<b>Thermal Properties*</b>		
Thermal resistance $R_{th}$	K/W	0.82
Thermal conductivity $\lambda$	W/mK	3
<b>Electrical Properties**</b>		
Dielectric breakdown voltage $U_{d; ac}$	kV	8
<b>Mechanical Properties</b>		
Hardness	Shore 00	55 - 70
<b>Physical Properties</b>		
Application temperature	°C	-40 to +200
Density	g/cm <sup>3</sup>	tested soon
Viscosity***	Pas	25 - 45
Total mass loss (TML)	Ma. -%	< 0.17
Flame rating	UL-94	V-0 (expected)
Possible thickness	mm	0.2 - 5.0

The GFL 3000 SL is a solvent free Gap Filler Liquid based on a two component silicone elastomer. In comparison to other Gap Filler Liquids the viscosity is 1/10. Therefore, the material has the advantage of self-levelling and filling up even small corners similar to a potting material.

Data for engineer guidance only.  
Observed performance varies in application.  
Engineers are reminded to test the material in application.

\* Measured @ thickness 1 mm    \*\* Measured @ thickness 0.5 mm    \*\*\* Shear rate 4s<sup>-1</sup> / 25°C

**NOTE:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the KERAFOL®'s Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

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