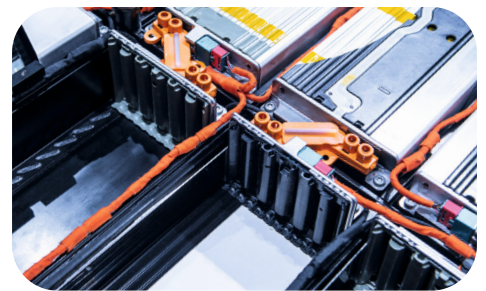
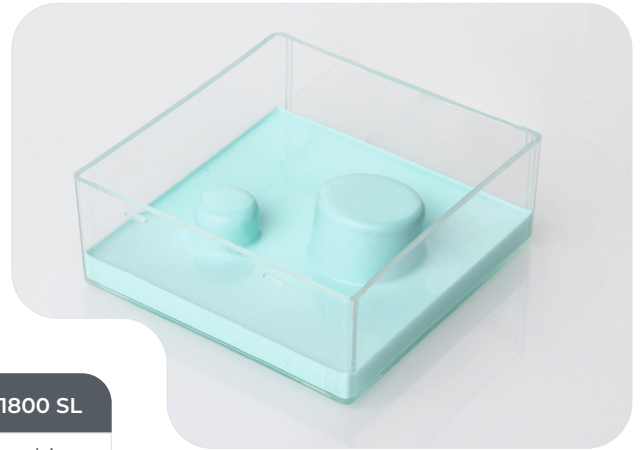


GFL 1800 SL

Gap Filler Liquid

Benefits

- Room temperature curing
- Higher thermal conductivity in comparison to potting material
- Usage for Encapsulation, electromagnetic coils and applications with small fabrication tolerances
- Low Viscosity Gap Filler Liquid



Properties	Unit	GFL 1800 SL
Colour		green, white
Basic material		silicone
Mixing ratio		1:1
Curing	°C	1h ; 25 °C
Thermal Properties*		
Thermal resistance R_{th}	K/W	1.38
Thermal conductivity λ	W/mK	1.8
Electrical Properties**		
Dielectric breakdown voltage $U_{d, ac}$	kV	7.5
Mechanical Properties		
Hardness	Shore 00	55 - 75
Physical Properties		
Application temperature	°C	-40 to +200
Density	g/cm ³	2.3
Viscosity	Pas	2 - 8
Total mass loss (TML)	Ma. -%	< 0.17
Flame rating	UL-94	V-0
Possible thickness	mm	0.2-5.0

* Measured @ thickness 1 mm ** Measured @ thickness 0.5 mm

Note

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The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.

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