



GFL 3020 & GFL 3020 RF

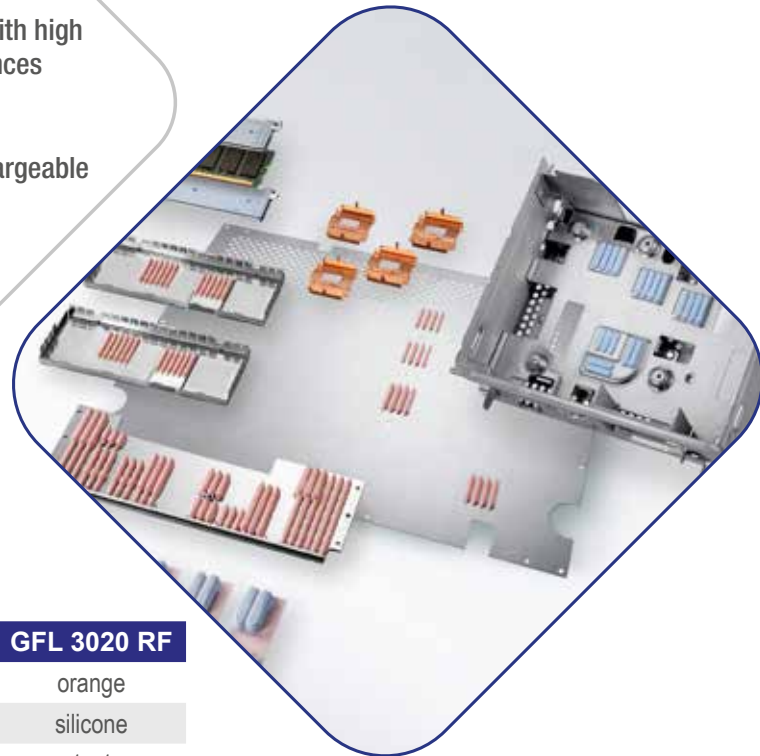
Gap Filler Liquid

Applications

- ◆ All applications with high fabrication tolerances
- ◆ Encapsulation
- ◆ Electric vehicles
- ◆ High energy rechargeable batteries

Benefits

- ◆ Room temperature curing
- ◆ Liquid assembly
- ◆ High material utilization
- ◆ High flexibility
- ◆ automotive compliant



Properties	Unit	GFL 3020	GFL 3020 RF
Colour		yellow	orange
Basic material		silicone	silicone
Mixing ratio		1 : 1	1 : 1
Curing		1h ;RT	1h ;RT
Thermal Properties			
Thermal resistance R_{th}^*	K/W	1.4	1.2
Thermal conductivity λ	W/mK	1.8	2.5
Electrical Properties			
Breakdown voltage $U_{di, ac}$	kV	10.0	8.0
Dielectric breakdown $E_{di, ac}$	kV/mm	20.0	16.0
Mechanical Properties			
Measured thickness (+/-10%)	mm	0.500	0.500
Hardness	Shore 00	45 - 60	65 - 85
Physical Properties			
Application temperature	°C	-40 to +200	-40 to +200
Density	g/cm ³	2.30	2.83
Viscosity**	Pas	45 - 70	45 - 75
Total mass loss (TML)	Ma. -%	0.19	< 0.09
Flame rating	UL-94	V-0	V-0***
Possible thickness	mm	0.200 - 5.000	0.200 - 5.000

Dispensing technology as a service:

Consulting, development & production. As a specialist for dispensing technology, we offer consulting, development and production services for the application of thermal material to different heat sinks or to customized components.

* Measured thickness 1 mm

** Shear rate 4s⁻¹ / 25°C

*** KERAFOLE® test according to UL

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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