GFL 3020 & GFL 3030

Gap Filler Liquid

Applications

- all applications with high fabrication tolerances
- encapsulation
- electric vehicles
- high energy rechargeable batteries

Benefits

- room temperature curing
- liquid assembly

Ceramic filled, solvent free two component silicone elastomer. Room temperature curing makes it suitable for wet in wet production.

Properties	Unit	GFL 3020	GFL 3030
Colour		yellow	green
Basic material		silicone	silicone
Mixing ratio		1 : 1	1 : 1
Curing		1h ;RT	1h ;RT
Thermal Properties			
Thermal resistance R_{th}	K/W	0.7	0.41
Thermal conductivity λ	W/mK	1.8	3.0
Electrical Properties			
Breakdown voltage $U_{d;\,ac}$	kV	10.0	6.0
Dielectric breakdown $E_{d;\,ac}$	kV/mm	20.0	12.0
Mechanical Properties			
Measured thickness (+/-10%)	mm	0.500	0.500
Hardness	Shore 00	45 - 60	50 - 70
Physical Properties			
Application temperature	°C	-40 to +200	-40 to +200
Density	g/cm³	2.30	2.94
Viscosity*	Pas	45 - 70	60 - 90
Total mass loss (TML)	Ma. -%	0.19	< 0.06
Flame rating	UL-94	V-0	V-0**
Possible thickness	mm	0.200 - 5.000	0.200 - 5.000

*Shear rate $4s^{-1}$ / 25°C

**KERAFOL® test according to UL

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.

Costumer benefit

- a professional service-provider for dispensing production and technology
- a more economical dispensing material compared to conventional thermal pastes and tapes
- a time-saving, easy assembly due to the prefabricated, ready dispensed components

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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