ELECTROLUBE
THE SOLUTIONS PEOPLE

GF300
Gap Filler

GF300 is a two part, liquid silicone based gap filler, which provides excellent thermal performance and can be cured at room temperature or accelerated with heat. After curing GF300 forms a low modulus elastomer preventing the 'pump-out phenomenon'.

- Soft and compliant for low stress applications
- Low viscosity; easy to dispense
- High thermal conductivity
- Low modulus elastomer, prevents 'pump-out'

Approvals	**RoHS Compliant (2015/863/EU):**	**Yes**

Typical Properties

Liquid Properties:	Base Material	Silicone
	Colour Part A	Blue
	Colour Part B	White
	Mixed System Viscosity (mPa s @ 25°C)	140 000
	Mix Ratio	1:1
	Gel Time (25°C)	60 minutes
	Cure Time (25 °C)	12 hours
	Cure Time (60°C)	80 minutes
	Cure Time (100 °C)	15 minutes
Cured System:	Cured Density (g/ml)	3.0
	Thermal Conductivity (W/m.K)	3.0
	Colour	Pale Blue
	Temperature Range (°C)	-50 to 200
	Dielectric Strength (kV/mm)	11
	Volume Resistivity (ohm-cm)	10^{14}
	Shore Hardness @ 25ºC	55 Shore 00
	Flame Retardancy	Meets UL94 V-0
	Weight Loss after 96 hours @ 100°C	< 0.10%

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All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way,
Ashby de la Zouch,
Leicestershire LE65 1JR
T +44 (0)1530 419 600
F +44 (0)1530 416 640
BS EN ISO 9001:2008
Certificate No. FM 32082

Directions for Use

Ensure surfaces are clean, dry and free from grease and dust before use. Certain materials like curing agents and plasticisers can inhibit curing of silicone compounds. These chemicals include:

- Organotin and other organometallic compounds.
- Silicone rubber containing organotin catalysts.
- Sulphur and other sulphur containing materials, Amines, urethanes or amine containing materials.
- Unsaturated hydrocarbon plasticisers.

Additional Information

Cleaning: GF300 can be removed easily up to 1 hour after application with an approved solvent such as IPA.

Storage: Keep lids tightly sealed. Store under ambient conditions.

Health & Safety: Always refer to the Health & Safety data sheet before use. These can be downloaded from www.electrolube.com

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