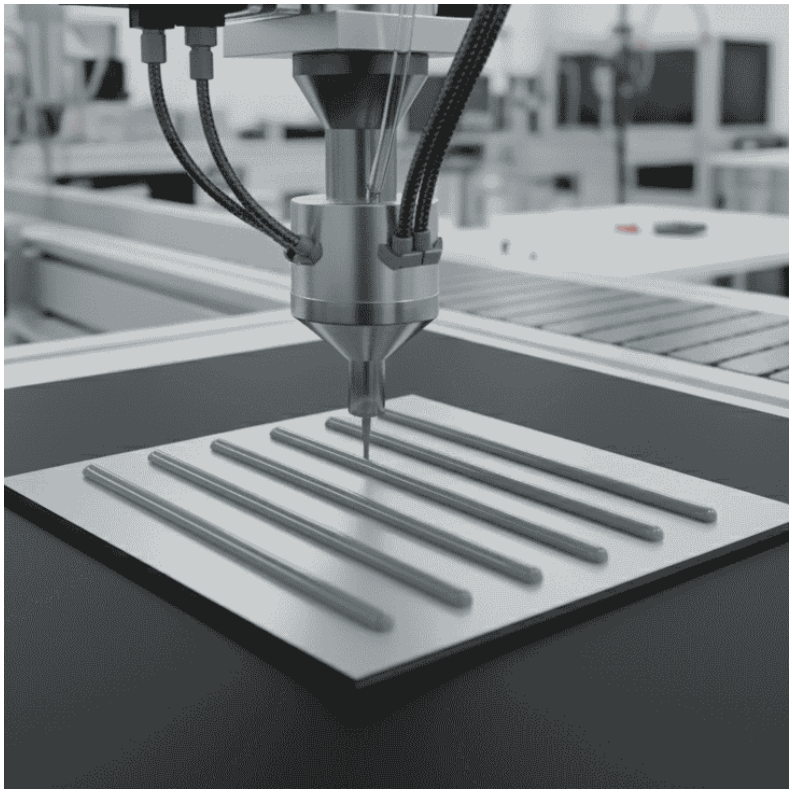
GBA

Hybrid Thermal Pad & RF Absorber Gel

SFA-series 1.5 – 6.0 W/mK | One-component Gel



Product Highlights

- Thermal conductivity: 3.5–6.0 W/m·K
- Combines thermal management with EMI shielding
- Ideal for 25 GHz optical modules
- High reliability and weather-resistant
- Fully cured, no drying issues
- Easy to apply with good plasticity

Applications

- Consumer electronics and multimedia devices
- Tablets and telecommunication equipment
- Desktops, laptops, and servers
- Optical fiber communication devices
- Defense electronics

The SFA series hybrid gel delivers outstanding thermal performance, microwave absorption, low compressibility, and high reliability. Engineered for versatile use, it adapts well to gaps, ensuring full contact between components and maximizing heat transfer efficiency.

Unlike thermal grease, the SFA series gel does not settle or flow, making it perfect for dispensing, screen printing, or squeegee coating. Its specially designed formulation delivers consistent performance without the mess or issues common with conventional thermal greases.

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Specifications Table

Parameters	Units of Measure	SFA3500	SFA6000
Colour	–	Charcoal	Grey
Curing Schedule @30cc syringe 0.1" needle nozzle, 90Psi	g/min	20	25
Thermal Conductivity	W/m·K	3.5	6
Thermal Resistance @20 [psi	°C·in²/W	0.07	0.032
	°C·cm²/W	0.45	0.206
Minimum Thickness	mm	0.08	0.12
Flammability Rating	UL94	V-0	V-0
Volume Resistivity	Ω·cm	≥1.0×10^{10}	≥1.0×10^{9}
Density	g/cm³	4.35	3.9
TML(CVCM)	%	≤0.12(0.01)	≤0.12(0.01)
Low Volatile Content (D4~D20)	ppm	<20	<20
CTE(Coefficient of Thermal Expansion)	ppm/°C	135	135
Operating Temperature	°C	-60~+200	-60~+150
RoHS		Yes	Yes