

# COOLINQ SG-90

## Graphite Heat Spreader



- Lightweight
- Flexible
- Excellent Thermal Conductivity

**COOLINQ SG-90** is an innovative graphite sheet is engineered to efficiently distribute and dissipate heat, ensuring consistent peak performance of electronic components, even under the most demanding conditions.

**COOLINQ SG-90** boasts a profile, measuring at 0.090mm, offering enhanced properties. Despite the increase in thickness, it maintains its lightweight and flexible nature, allowing seamless integration into electronic devices without introducing unnecessary bulk. Its adaptability extends beyond consumer electronics, making it the preferred choice for applications in the automotive, aerospace, and industrial sectors.

Unlike rigid metal heat spreaders, **COOLINQ SG-90** can be readily cut, shaped, or layered to precisely fit your unique application, making it a versatile addition to your thermal management toolkit.

### Specifications

Property	Value	Unit
Thickness	0.09 ±0.015	mm
Density	1.5	g/cm <sup>3</sup>
X, Y Thermal Diffusivity	400 - 450	W/mK
Z Thermal Diffusivity	10 - 20	W/mK
Carbon Content	98.5	%
Sulfur Content	< 1200	ppm
Chlorine Content	< 80	ppm

### Storage and Handling

**Handling:** To prevent contact with graphite powder, it is advisable to wear gloves and a smock during handling.

**Storage:** Store the product away from potential ignition sources and oxidizing materials. Ensure it is kept in a cool, dry place, sealed tightly within a container.

Due to its high thermal conductivity, avoid direct contact with the product when the operating temperature exceeds 60°C or falls below freezing.

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