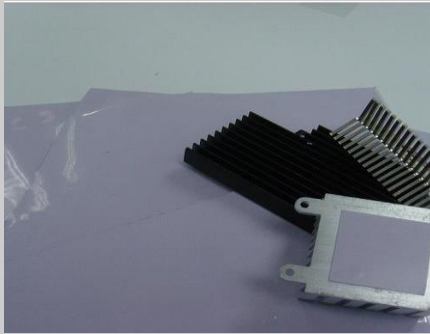


**Features and Benefits**

- 4.0W/m-K thermal conductivity
- Good compressibility
- Low hardness
- Naturally tacky
- Electrically isolating
- RoHS compliant
- Halogen-free



**Typical Applications**

- Cooling component to the chassis, frame, or other type of heat spreader
- Mass storage device
- Heat pipe assemblies
- RDRAM memory modules
- Motor control
- Telecommunication hardware

**Optional Configurations**

- Can be die-cut into specific dimensions

OP-8500 Spec 06 offers good thermal performance and exceptional conformability. This material conforms to surface irregularities under low application pressures. It is electrically non-conductive and naturally tacky. Additional adhesive is generally not required.

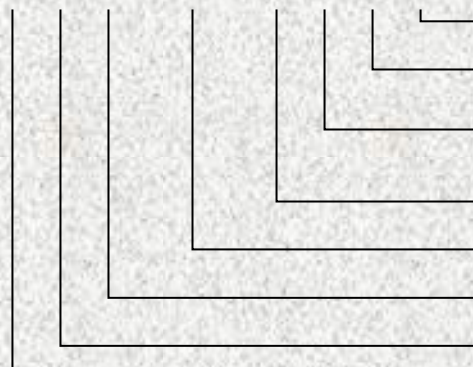
The proprietary formulation of OP-8500 Spec 06 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

Properties	OP-8500 Spec 06	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Violet	Visual
Thickness Range /inch (mm)	0.02"~0.40" (0.508~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm <sup>-3</sup>	3.3	—
Hardness /Shore 00	30	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 V0	—
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	4.0	ASTM D5470 (modified)
Breakdown Voltage /(V/mm)	>6000	ASTM D149
Volume Resistivity /ohm.cm	8.0 x 10 <sup>13</sup>	ASTM D257
Dielectric Constant @ 1MHz	12.8	ASTM D150
Shelf Life /Months	24	—
Please contact us for other requirements		

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for < 0.03" (0.75mm)
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Not Recommended
Detachable Adhesive (DA)	Not Recommended
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Not Recommended

**Product Code and Descriptions**

OP 85 XX Spec 06 -XX -XX -XX -XX



**Dimensions**  
 SS = Standard sheet size  
**Release Liner**  
 ST = Standard  
 OT = Other  
**PSA**  
 A1 = One side  
 A2 = Both sides  
 OT = Other  
**Carrier**  
 FG = Fiberglass  
 CB = Combination  
 OT = Other  
**Spec 06 = Special Derivative #**  
**Thickness (mil)**  
 00 = Custom thickness  
 04 = 40mil  
**85 = 8500 Series**  
**OP = OPTIM™ gap filler**

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