

**Features and Benefits**

- Superior thermal performance
- 3.0 W/m-K thermal conductivity
- Good EMI suppression
- RoHS compliant
- Halogen-free



**Typical Applications**

- Notebook Computers
- Handheld Portable Electronics
- Micro Heat Pipe assemblies
- Micro Processors, Memory Chips and Graphic Processors
- Motor Control
- Wireless Communication Hardware

**Optional Configurations**

- Can be die-cut into specific dimensions

OP-7400 Spec01 offers hybrid absorber/thermal management material that is used for EMI mitigation. Designed using silicone gel binder that imparts inherent tack typical of standard thermal gap fillers. Filler particle composition imparts both excellent thermal conductivity and good EMI suppression in the microwave frequency.

The proprietary formulation of OP-7400 Spec01 is RoHS compliant and halogen-free, providing extra reassurance in applications where hazardous substances are forbidden.

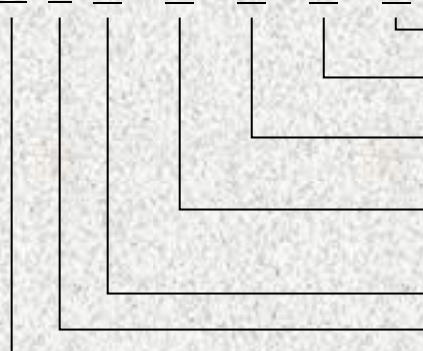
Properties	OP-7400 Spec01	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Dark grey	Visual
Thickness Range /inch (mm)	0.02"~0.12" (0.508~3.048) in 0.01" (0.254) increments	—
Standard Sheet Size	9" x 9"	—
Density /g.cm <sup>-3</sup>	3.7	ASTM D792
Hardness /Shore 00	50	ASTM D2240
Tensile Strength /psi	35	ASTM D638
UL Flammability Rating	UL94 V0	UL
Temperature Range /°C	-40°C ~175°C	—
Thermal Conductivity W.m <sup>-1</sup> .K <sup>-1</sup>	3.0	ASTM D5470 (modified)
Volume Resistivity /ohm.cm	2.2 x 10 <sup>10</sup>	ASTM D257
EMI Attenuation @ 10 GHz	70 dB/cm	—
Shelf Life /Months	12	—

Please contact us for other requirements

Carrier Treatment	Criteria
Fiber Glass (FG)	Not Recommended
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 74 XX - XX - XX - XX - XX



- Dimensions**  
 SS = Standard sheet size  
 CD = Custom dimensions
- Release Liner**  
 ST = Standard  
 OT = Other
- PSA**  
 A1 = One side  
 A2 = Both sides  
 OT = Other
- Carrier**  
 FG = Fiberglass  
 CB = Combination  
 OT = Other
- Thickness(mil)**  
 00 = Custom thickness  
 04 = 40mil  
 74 = 7400 Series  
 OP = TIMSor™ gap filler

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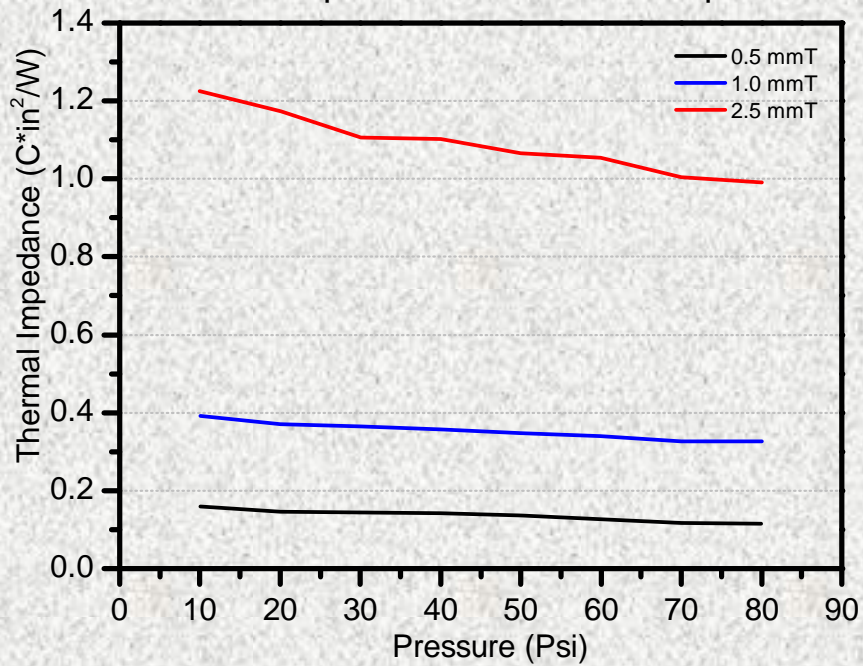
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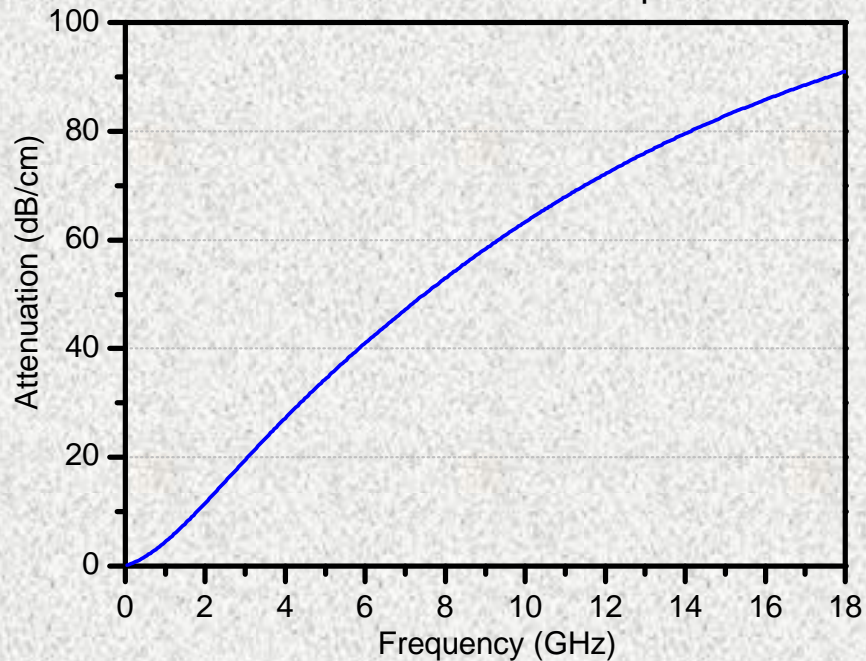
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Thermal Impedance of OP-7400 Spec 01



Attenuation of OP-7400 Spec01



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