

Thermally Conductive Electromagnetic Wave Absorbing Pad

TP500-H70-AM is a gasket with both thermal conductivity and wave absorbing functions. It is made of silica gel and thermally conductive wave absorbing ceramic filler through a special process. It has good thermal conductivity, electromagnetic wave absorption and electromagnetic shielding functions. can absorb the leaked electromagnetic radiation, achieve the purpose of eliminating electromagnetic interference, and provide a good solution for electronic communication products in terms of heat conduction and electromagnetic shielding.



Features and Benefits

- Thermal Conductivity : 5.0 W/(m·K)
- Excellent electromagnetic shielding function
- Excellent high and low temperature and mechanical properties
- High chemical stability

Typical Applications

- Electronic communication equipment
- Digital products, computers
- Medical electronic
- Automotive electronics
- Aerospace and aviation
- High-frequency modules

Typical Properties		
Attribute	Value	Test Method
Color	Black	Visual
Thickness (mm)	1.0 to 10.0	ASTM D374
Density (g/cc)	4.2	ASTM D792
Hardness (Shore 00)	70	ASTM D2240
Reflectivity (dB)	-16 @14GHz	GJB2038A-2011
Usage Temperature (°C)	-40 to 150	/
Flammability	V-0	UL 94
Shelf Life (months)	12	Temperature <40°C avoid extrusion and exposure to the sun
Electrical		
Volume Resistivity (Ω·cm)	≥10 ¹²	ASTM D257
Thermal		
Thermal conductivity (W/(m·K))	5.0	ISO 22007-2

