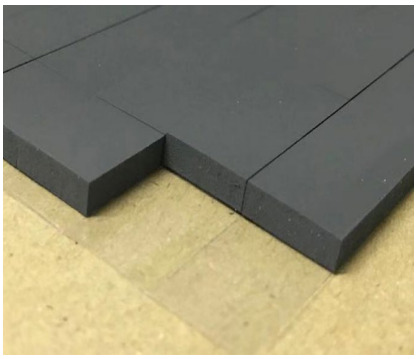
TP150-H55-AM1

Wave Absorbing Thermal Conductive Silicone Gasket

TP150-H55-AM1 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 : 1.5 W/(m·K)
- Excellent electromagnetic shielding function
- Excellent high and low temperature and mechanical properties
- High chemical stability

Typical Applications

- Telecom network
- Automotive electronic, OBC
- new energy vehicles
- Consumer electronic
- Industrial automation equipment

Typical Properties		
Attribute	**Value**	**Test Method**
Color	Grey	Visual
Thickness (mm)	0.5 to 10.0	ASTM D374
Density (g/cc)	4.2	ASTM D792
Hardness (Shore 00)	55	ASTM D2240 @T≥2.0mm
Reflectivity (dB)	-5(2-6GHz)	GJB-2038A-2011
Total Mass Loss (%)	≤1.0	Filter paper adsorption @25% compression/125°C/48h
Usage Temperature (°C)	-40 to 150	/
Flammability	V-0	UL 94
Shelf Life (month)	12	Temperature <40°C; avoid compression, exposure to the sun
Electrical		
Breakdown Voltage (kV/mm)	≥0.2	ASTM D149
Dielectric Constant (@10MHz)	≤20	ASTM D150
Thermal		
Thermal Conductivity (W/(m·K))	1.5	ISO 22007-2

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