



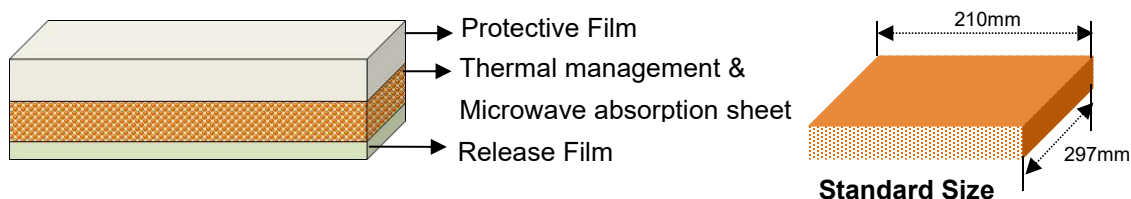
Thermal management & Microwave absorption sheet SY-TM302 Series

Technical Data Sheet Version Number: A-c

❖ Product Introduction

TM302 Series is an anti-EMI composite material that combines thermal management and absorbing function which is developed by our company. This product is used to solve heat conduction problem between the chassis and other devices such as IC chip and heat sink. It can effectively reduce the phenomenon of electromagnetic interference inside the devices, and has the advantages of with high thermal conductivity coefficient, excellent absorbing effect, halogen-free environmental protection, etc.

❖ Product Structure



❖ Product Performance

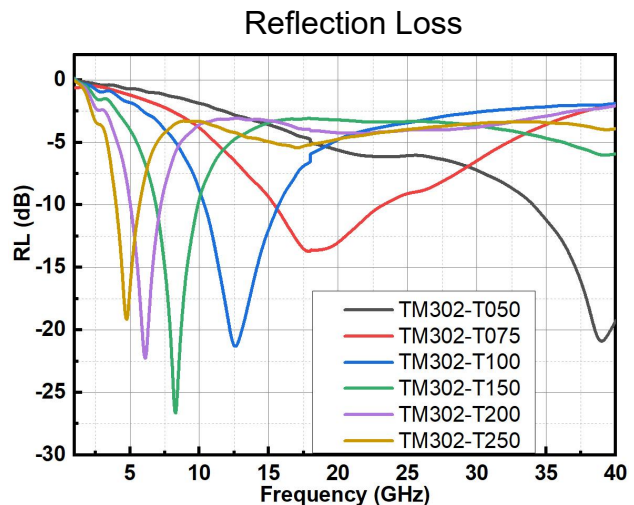
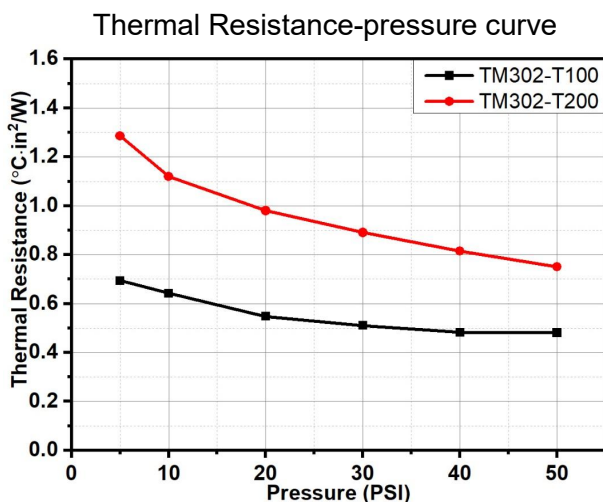
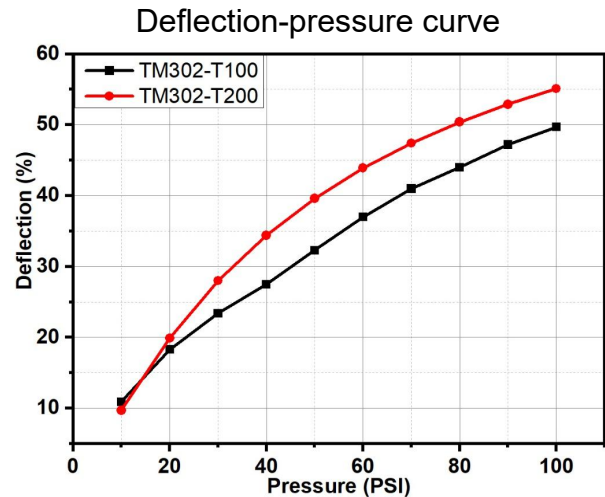
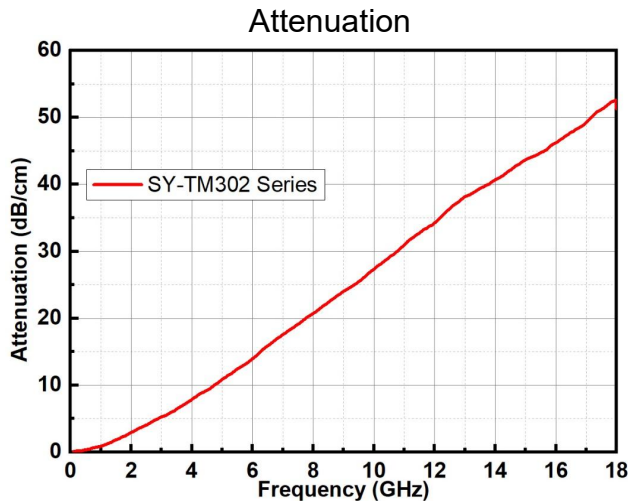
- Product has good thermal conductivity and can effectively restrain electromagnetic interference;
- Product can be without adhesive and easy to use;
- Product can be tailored to various shapes;
- according to customer request custom size, attenuation value, etc.

❖ Features

Properties	Unit	Specifications	Test Standard
Color	/	Gray	Visual Inspection
Thickness	mm	1.0~5.0	ASTM D374
Thickness tolerance	/	±10%	/
Density	g/cm ³	4.0±0.4	ASTM D792
Hardness	Shore OO	52±5	ASTM D2240
Flammability class	/	V-0	UL94
Heat conductivity coefficient	W/(m·k)	3.0±0.2	ISO 22007-2
Tensile Strength	MPa	≥0.14	ASTM D412
Elongation	%	≥70	ASTM D412
Volume Resistivity	Ω·cm	≥10 ¹²	ASTM D257
Attenuation	dB/cm@5GHz	≥10	/
	dB/cm@10GHz	≥26	/
	dB/cm@15GHz	≥40	/
Temperature range	℃	-40~125	/
Environmental requirement	/	Halogen free and Meet standard of ROHS	/

Note: The reliability test or other test data of this series can be provided according to customer design requirements.

❖ Characteristic curve



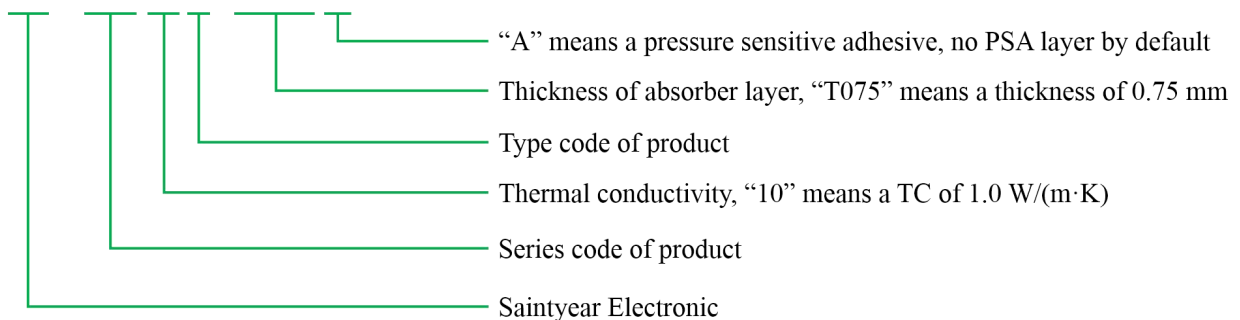
Note: The data listed as typical values for laboratory tests should not be considered as technical specifications.

❖ Duration and Storage Condition

- Best if Used Before: 12 months.
- Best Storage Condition: 15°C~35°C/0~65%RH in packing case.

❖ Naming Rules

SY-TM101-T075A



Special statement: It is recommended that the customer should do the application evaluation before the product is officially used. Due to the diversity of the actual application of the product, we makes no warranties as to the fitness, merchantability, suitability or non-infringement of any materials or products of our company for any specific or general use. Our company shall not be liable for incidental or consequential damages of any kind. If the user encounters a problem during product use, you can contact my company's after-sales service, we will do our best to help you.