

TeraRAM® Terahertz Absorber

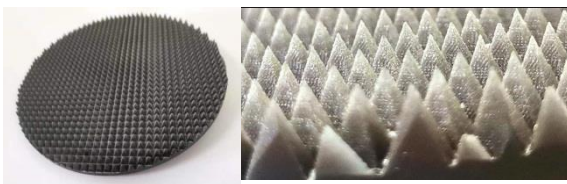
Feature:

- Based on Mxene
- Broadband working Freq@100~1000GHz
- High reduction in reflectivity
- Size:10cm x 10cm square or customized
- Waterproof,flexible,lightweight
- Designed for anechoic chamber, load,termination on mmW and THz band
- Made in China

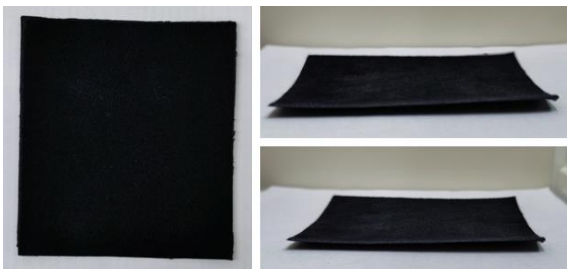
Characteristics (3 layers) :

Item	Index	Notes
Thick	3mm	
Color	black	
Reflectivity	-19.2dB	400GHz
Transmission	-90dB	400GHz
Weight	60g	10cm x 10cm square
Substrate Option	Fabrics,resin,foam	Customized

On the Pyramid Resin:

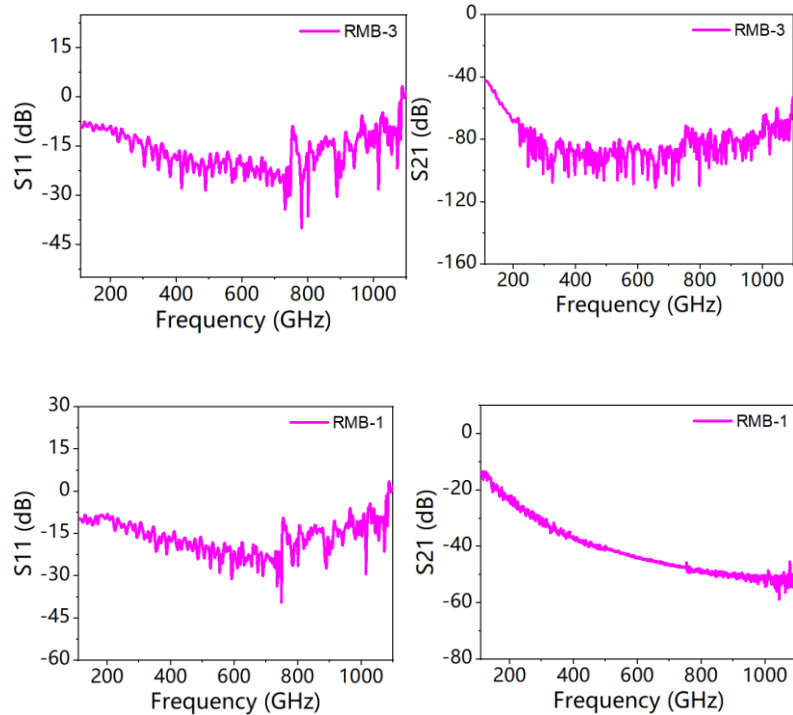


On the Fabrics



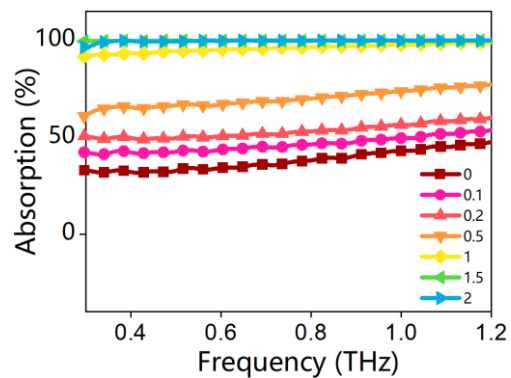
Measured Performance (3 layers):

(S11/S21 test with Ceyear VNA+VNA extension)



Measured Performance:

(Various absorber density test with TDS ,FICO/Zomega)



Availability

- Standard sheets are 10cm x 10cm
- Standard thickness is 3mm
- TeraRAM® -10RC-PY:10cm OD pyramid resin
- TeraRAM® -10FS-FL:10x10cm Flat fabrics square
- Other sizes and customer specified configurations can be delivered upon request