

### TeraRAM® Terahertz Absorber

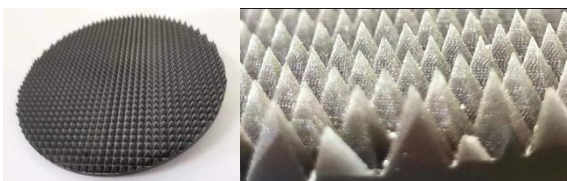
#### Feature:

- Based on mixtures of MXene and Carbon materials
- 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

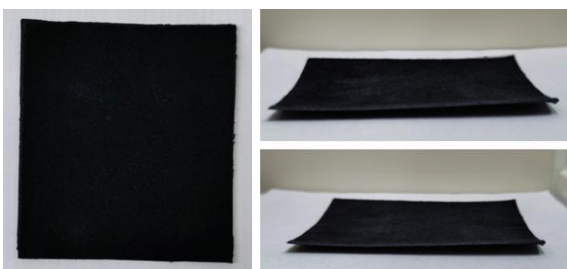
#### Characteristics (3 layers) :

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:

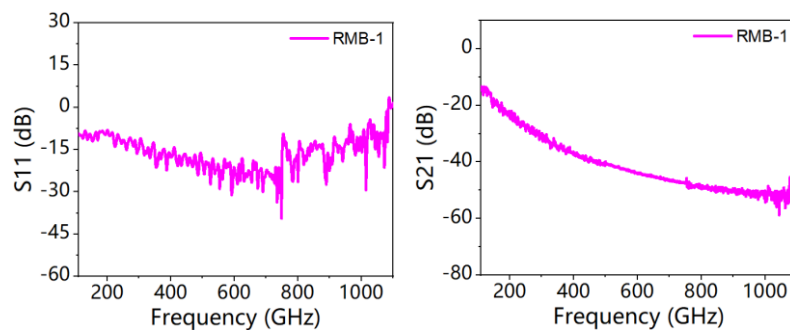
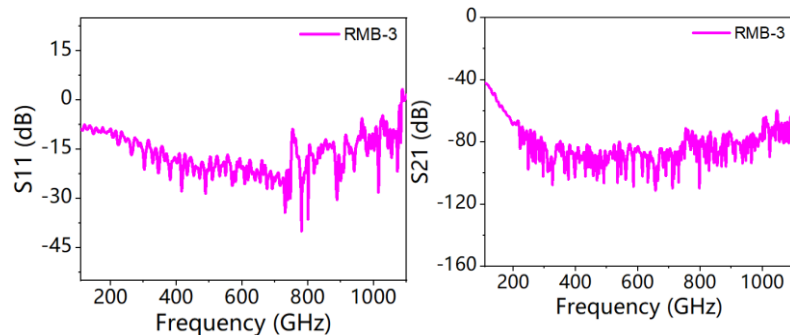


#### On the Fabrics



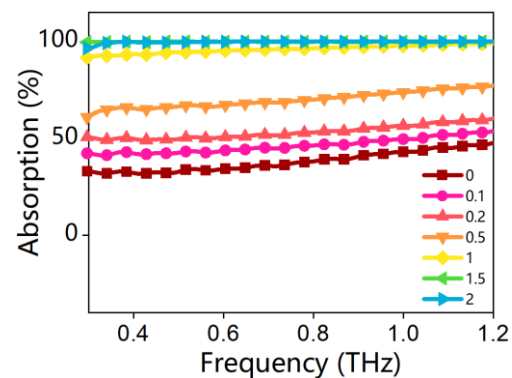
#### Measured Performance (3 layers):

( S11/S21 test with Ceyar 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 pyamid resin
- TeraRAM-10FS-FL:10x10cm Flat fabrics square
- Other sizes and customer specified configurations can be delivered upon request