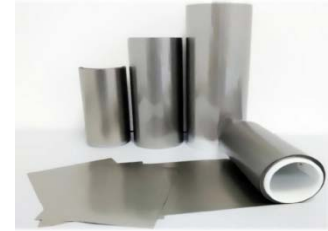


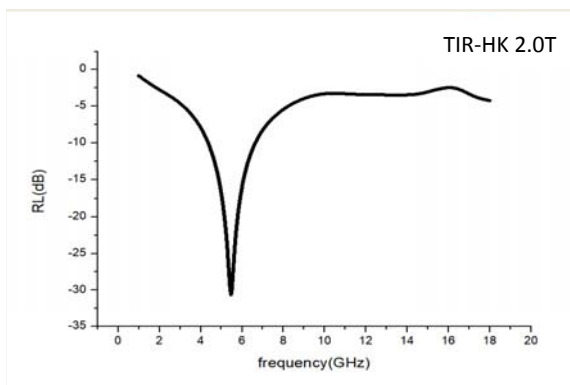
## Applications:

Provide EMC material solutions for EMI & EMS issue for IT devices

- 1.1 Metal rubber absorber to conduct different microwave resonance frequency within the property of loss energy
- 1.2 Noise suppressor for electric devices(Smart phones, Tablets, PCs and etc)
- 1.3 Receiver sensitivity improvement of PEN input (inductive coupling type)
- 1.4 Enhancement of NFC&WPC(PMA/WPC) function within electric devices

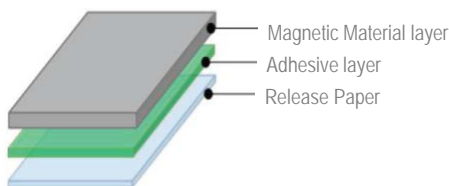


## performance curve:

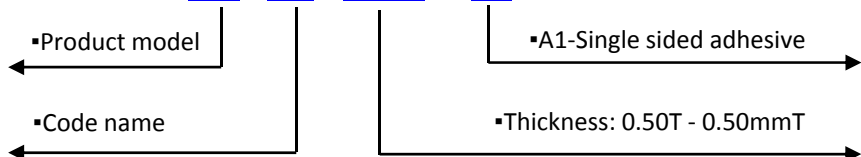


| TIR™-HK Microwave Absorbing Materials |                   |                       |             |
|---------------------------------------|-------------------|-----------------------|-------------|
| Classification                        | Unit              | Values                | Test Method |
| Color                                 | NA                | Gray                  | Visual      |
| Effective frequency                   | Hz                | 12GHz -18GHz          | NA          |
| Specific gravity                      | g/cm <sup>3</sup> | 3                     | ASTM D297   |
| Surface resistance                    | Ω                 | >1 x 10 <sup>12</sup> | ASTM D257   |
| Hardness                              | Shore A           | 40-60                 | ASTM D2240  |
| Thermal conductivity                  | W/mK              | 0.5                   | ASTM D5470  |
| Temperature range                     | °C                | -40 to +150           | NA          |
| Storage conditions                    | -                 | 0-30°C/60%±10R.H      | NA          |
| Shelf life                            | month             | 12                    | NA          |
| Thickness                             | mm                | 0.5-2.0mmT            |             |
| Standard size                         | mm                | 300x300 mm            |             |

## Product mix:



## Product identification → TIR - HK- 0.50T - A1



Gap Fillers | Phase Change Materials | Thermally Conductive Insulators | Thermally Conductive Greases | Thermally Conductive Adhesive Tapes

|   |  |  |  |   |
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