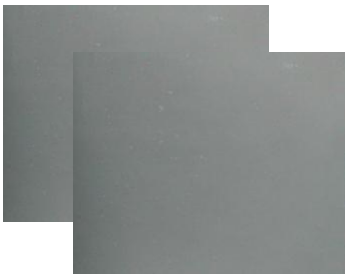
KLEBER

# NYS-SORBER® ABS 2010 Silicone Absorbing Sheet

NYS-SORBER® ABS series is used to reduce microwave resonance inside enclosure and cavity "Q" value. Also, it could effectively isolate bottom plate and antenna. Together with EMI materials, it provides perfect solution for EMI shielding in 1 – 40 GHz frequency range.

NYS-SORBER® ABS 2010 is a thin, flexible, electrically non-conductive silicone rubber sheet. Its frequency range is from 8 - 40 GHz and impervious to moisture which can be subjected to moisture with no adverse effects.



## SPECIFICATIONS

| Typical Performance | NYS-SORBER® ABS 2010 | Unit | Test Method |
|---|---|---|---|
| Color | Gray | - | - |
| Resin system | Silicone | - | - |
| Thickness | 0.25 | mm | - |
| Hardness | 70 | Shore A | ASTM D2240 |
| Density | 4.3 | $g/cm^3$ | ASTM D792 |
| Center Frequency/ Attenuation | 38.67/-39.02 | GHz/dB | - |
| Working Frequency | 8~40 | GHz | - |
| Working Temperature | -50~+155 | ℃ | ASTM D1329 |
| Volume Resistivity | ≥$10^9$ | Ohm-cm | ASTM D257 |
| Flammability Rating | V-0 | - | UL94 |

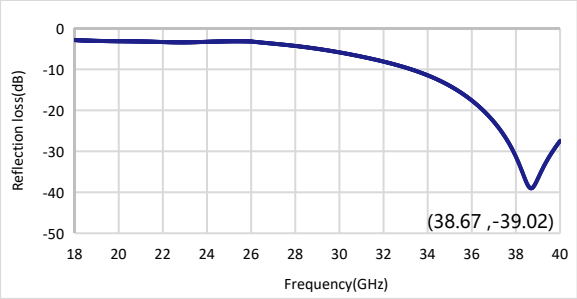
## FEATURES & BENEFITS

- Flexible.
- Thin, thickness 0.25mm.
- Low out gassing properties.
- Electrically insulating material, bonded or pressed onto the metal structure to achieve best wave absorption effect.
- RoHS Compliant.
- Especially suitable for 8 - 40 GHz application.

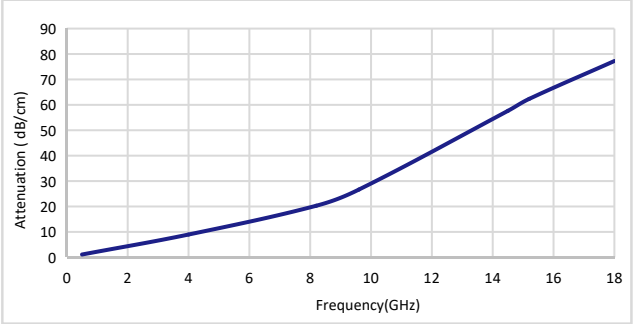
## APPLICATION

- Hand held electronics
- Wireless voice or telecom/datacom
- Military electronics
- GPS
- Ruggedized computers
- Night vision equipment
- Telecommunication infrastructure equipment

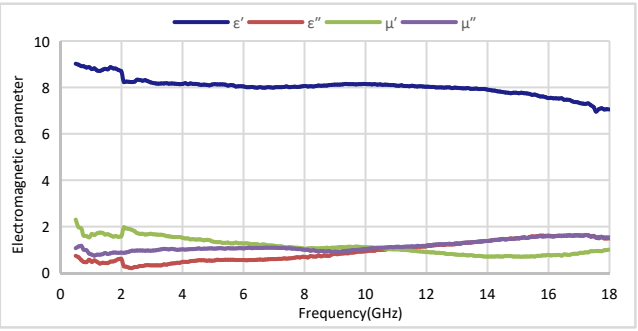
## REFLECTION LOSS CURVE




## TYPICAL ATTENUATION CONSTANT CURVE (dB/cm)




## TYPICAL ELECTROMAGNETIC PARAMETER CURVE:




Declare
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