KLEBER

# NYS-SORBER® AB 960 Thermal Microwave High wattage Absorber



Heat-absorbing material, as the name implies, is a material that can meet both the wave-absorbing performance and the thermal conductivity. The heat-absorbing product of Nystein is made of polymer silica gel as the base material, adding ceramic powder, magnetic particles and corresponding additives composite materials. The product has a certain surface viscosity, which is easy to install, and can achieve low interface thermal resistance performance and electromagnetic wave-absorbing performance at lower pressure, and has good insulation and voltage resistance characteristics and environmental stability.

NYS-SORBER® AB 960 is a new EMI shielding material that combines absorbing and thermally conductive solutions to conduct heat between a heat source and heat sink like a typical thermal pad, or between other devices that require thermal conduction, with a thermal conductivity of up to 6W, helping design engineers address both EMC and thermal management issues originating from specific components or boards.

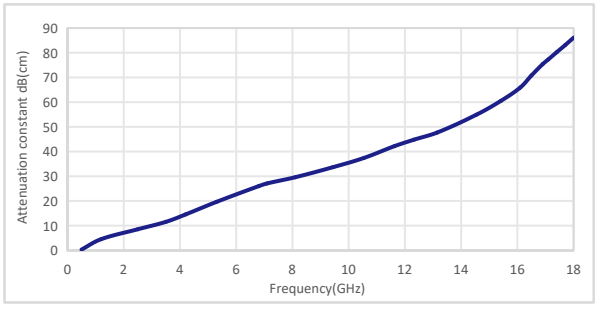
## SPECIFICATIONS

| Typical Performance | NYS-SORBER® AB 960 | Unit | Test Method |
|---|---|---|---|
| Color | Grey | - | - |
| Hardness | 60 | Shore OO | ASTM 2240 |
| Density | 3.6 | $g/cm^3$ | ASTM D792 |
| Volume Resistivity | $10^{12}$ | Ohm-cm | ASTM D257 |
| Dielectric breakdown | 4.5 | KV/mm | ASTM D149 |
| Flammability Rating | V-0 | - | UL94 |
| Thermal Conductivity | 6.0 | W/m-K | ASTM D5470 |
| Thermal Resistance@20 PSI | 0.28 | $℃\text{-}in^2/W$ | ASTM D5470 |
| Working Temperature | -40~+150 | ℃ | ASTM D1329 |

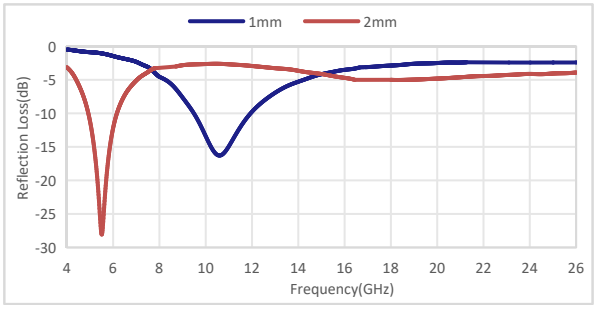
## FEATURES & BENEFITS

- Good thermal conductivity ,6.0W/mk.
- Soft like a thermal gap filler material.
- Thickness range: 0.5~5mm, tolerance within 10% of thickness.
- The product is self-adhesive and can be used like a traditional thermal pad.
- Very good absorption effect, effective application frequency range 5~26GHz.

## ATTENUATION CONSTANT




## REFLECTION LOSS CURVE




Declare
The recommendation and data furnished by Kleber is based on our experiment and experience to date.This information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application.Kleber shall not be liable for their usage and processing. The technology data sheet is subject to change without notice. The final interpretation right of the contents of this specification belongs to Kleber.