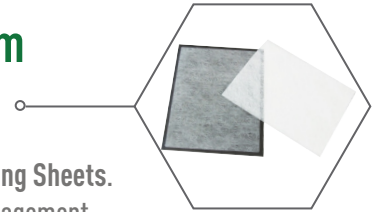


## New Product Introduction

# NASBIS Insulating Sheets

## A New Heat Isolating Thermal Protection Material Available From Panasonic! Just Don't Spread Heat ... Isolate It With NASBIS!



Panasonic, a worldwide leader in Thermal Protection Products, is pleased to introduce **NEW "NASBIS" Insulating Sheets**. "NASBIS" stands for Nano Silica Balloon Insulator Sheet. This new addition to Panasonic's line of Thermal Management solutions is a thin, flexible Nano-Silica heat insulation material composed of silica aerogel and polyester fiber that has high thermal isolative properties. The thermal conductivity of **NASBIS** is lower than that of air, making it a very attractive material for heat insulation. **NASBIS Sheets** protect thermally weak products from heat and works to maintain a uniform temperature throughout a device.

When combined in a stack with Panasonic's Pyrolytic Graphite Sheet or PGS, **NASBIS Insulating Sheets** enable the control of heat direction. This proprietary composite material provides greater heat insulating performance.

## Features

- Low Thermal Conductivity: 0.014 – 0.02 W/m • K.
- Both Thin and Flexible
- Thicknesses Range from 100µm to 1,000µm
- RoHS and REACH Compliant

## Benefits

- Easily Bent and Used in Narrow Spaces
- NASBIS Sheets Are Covered With Polyester (PET) Tape and Offered With Adhesive
- NASBIS / PGS Composite Stacks Provide Optimal Thermal Management Solutions

## Industries

- Lighting
- Power
- Audio / Visual
- Aerospace

## Applications

- Wearable Devices
- LED Modules and Drivers
- Micro Inverters, IGBT Modules
- Radio Devices
- Notebook and Tablet PCs
- Satellites, Cameras