Tgon™ 800 Series

Electrically and Thermally Conductive Interface Pad

Recommended Directions for Use

Background

- Tgon™ 800 is high-performance, cost effective natural graphite thermal interface material. It can be used where electrical isolation is not required. Tgon™ 800 is ideal for where electrical contact and thermal transfer are desired.
- Tgon™ 800 has unique grain-oriented and plate-like structure which can provide a high thermal conductivity of 240 W/mK in the XY plane and 5 W/mK through the Z-axis.
- Tgon™ 800A1 is also available with proprietary pressure sensitive adhesive on one side of Tgon™ 800. This adhesive coating is the thinnest available, minimizing any impact on thermal performance.

Storage Instructions

- Material should be stored in a clean dry place at a temperature between 10℃ and 35℃. Keep away from water and dust.
- The material should be stored avoiding direct exposure to sunshine.

Shelf Life

- 2 year from date of shipment stored at 10-35˚C and less than 50% relative

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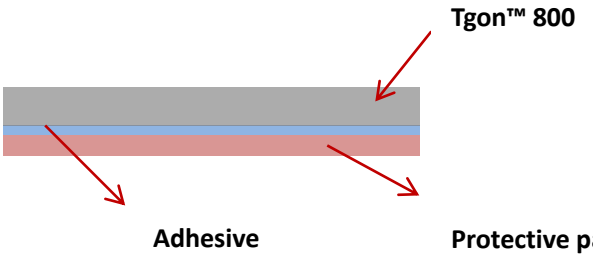
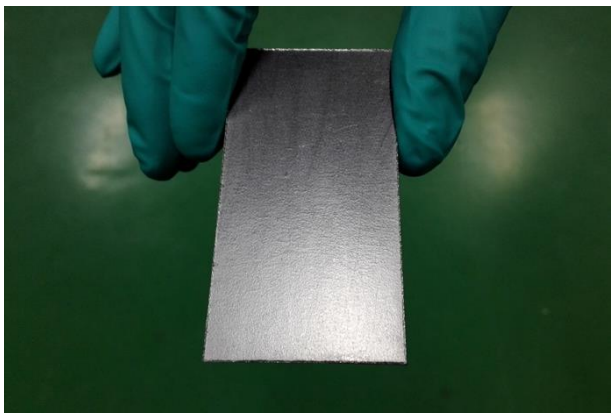
humidity for Tgon™ 800.

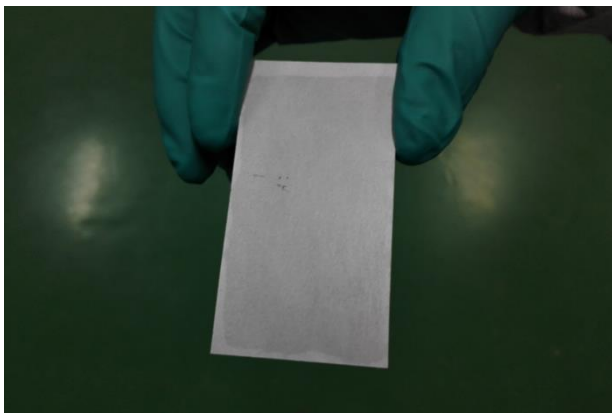
- 1 year from date of shipment stored at 10-35˚C and less than 50% relative humidity for Tgon™ 800 A1.

Application of Tgon™ 800 A1 series to power component or thermal assembly solution.

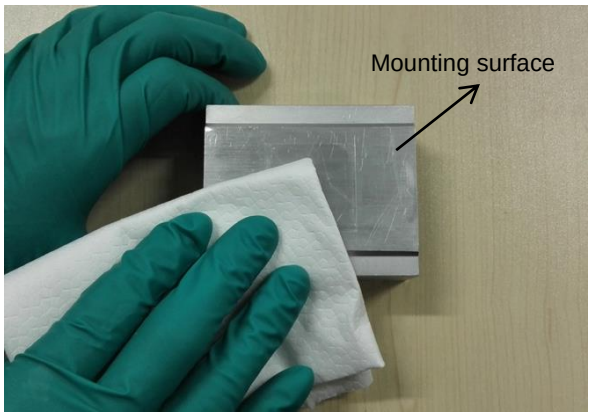
1. Tgon™ 800 A1 is Tgon™ 800 with one-side thin adhesive. A protective release paper is attached to adhesive layer to prevent from being contaminated.



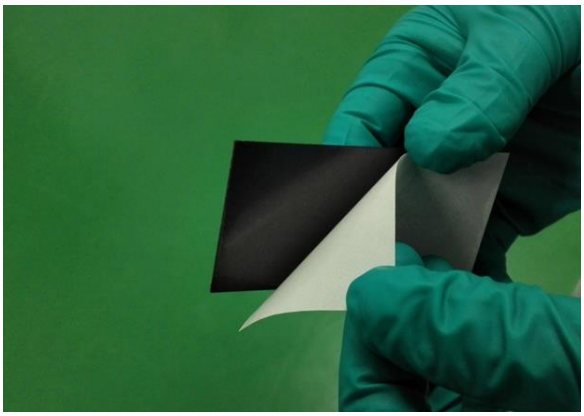




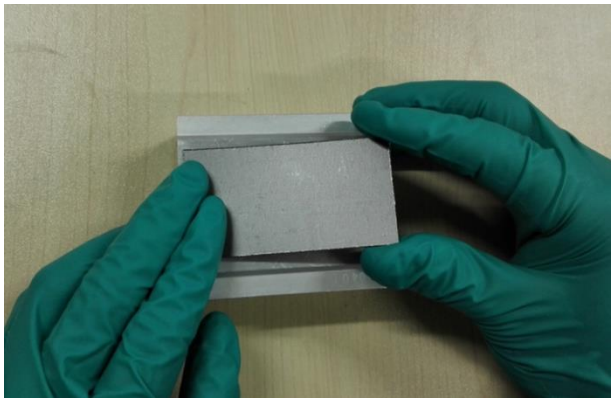
2. For best results, the mounting surface should be cleaned with approved cleaning solvent (isopropyl alcohol, Toluene, or Acetone) or maintained as 'new and clean'.

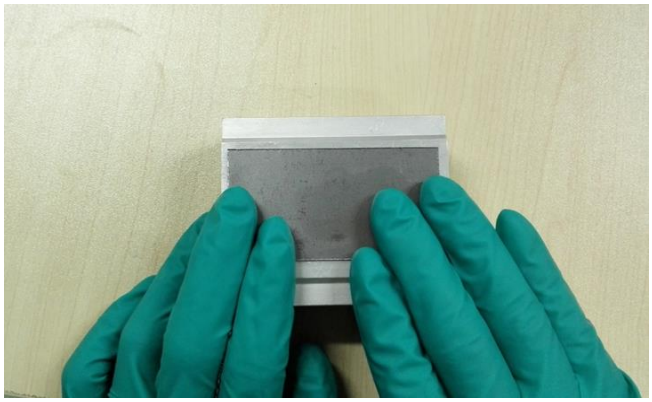


3. Before using, remove the protective paper from one side next to graphite layer.

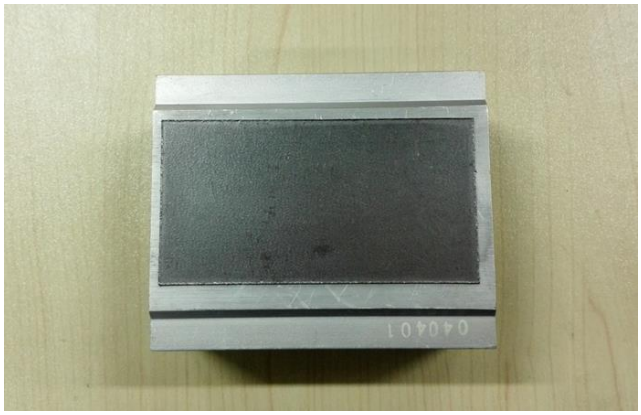


4. Carefully position the Tgon™ 800 A1 material onto the clean power component or thermal solution surface. Slightly press the material with finger from one side to the other side to remove bubble inside. An assistant toll such as rubber roller instead of finger is preferred to speed the process.





5. The thermal solution with Tgon™ 800A1 is now ready for final assembly.



How to Remove for Rework

- Tgon™ 800 A1 series can be removed for rework at room temperature by placing the edge of a plastic razor knife between the mounting surface and the material and peel off slowly.
- Residual material should first be scraped away with a plastic putty knife and the remaining material wiped away with a wet cloth with acetone or isopropyl alcohol.