

Application Note

Revision 1.0
May 22, 2024

BERGQUIST

Handling and Converting Guide BERGQUIST GAP PAD TGP 40000SF 6 Inch Sheets

Introduction

Material Versions

TGP 40000SF (No reinforcement) Standard Thicknesses Offered:

- 20 mil (0.020"/0.5 mm)
- 40 mil (0.040"/1.0mm)
- 60 mil (0.060"/1.5mm)
- 80 mil (0.080"/2.0mm)
- 100 mil (0.100"/2.5mm)
- 125 mil (0.125"/3.2mm)

For custom thickness, please consult a Henkel Representative.

Pads are available in standard or one-sided tacky version



Figure 1. TGF 40000SF in Packaging

Product Configuration

- Pads are packaged in cardboard box
- Each sheet of TGP 40000SF is separated by a rigid 10mil clear PET liner
- The one-sided tacky pads have a blue PE peel-off liner on the tacky side

General Product Description

- Thermal Gap Pad TGP 40000SF is a 40 W/m-K silicone-free, elastomeric gap pad with exceptional thermal performance.
- Material is a glossy black color and needs special handling to prevent breakage
- This app note covers handling of 6" square pads (or 6"x4" for 0.5mm pads)

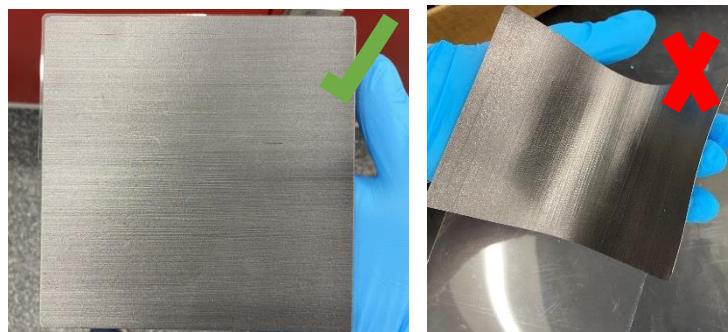


Figure 2. When handling TGP 40000SF, keep the pad flat to avoid cracking in the pad

Packaging, Handling and Storing

Shipping boxes will contain multiple pads, each with PET layered between. Use care when removing each pad from the box, picking it up by the liner underneath liner and keeping the pad flat to prevent tearing along the pad's natural striations. Pads without tack will slip from the liner if not kept flat or when grabbing the liner only.

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Converting

To convert the pad to smaller shapes, keep the pad on the PET liner on a flat surface. Simple shapes, such as squares and rectangles are best to prevent fraying of the material. Keep one hand on the material while cutting to help the pad maintain its shape. When removing shapes, keep the pad flat to prevent cracking.

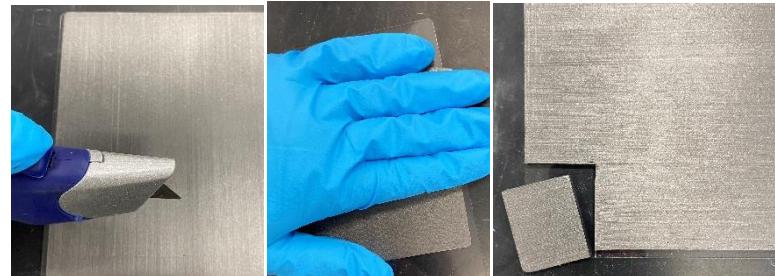


Figure 3. To convert the pad into smaller shapes, use a box cutter and keep pressure on the pad to prevent tearing or warping

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