



**Highlights**

- Available in a variety of surface textures such as grooved, embossed, plain, and perforated

Polyurethane impregnated felt pad, non-woven

**SUBA™ IV**

SUBA™ polishing pads are polyurethane-impregnated polyester felts. They are specifically designed for stock and intermediate polishing where achieving a high-precision surface is critical. SUBA™ pads should be used in combination with each other and with final polishing pads to produce a haze-free, low-defect finish in dual or multi-step processes. SUBA™ pads are ideal for a wide variety of materials including semiconductor wafers, glass, ceramics, special metals, and plastic.

SUBA™ IV features an open pore structure and a less aggressive urethane composition than the other SUBA™ pads. These qualities make it an ideal primary polishing pad for low to medium-pressure applications with fragile crystals or delicate surfaces.

**Typical applications**

Aluminum, ceramic, fused silica, gallium arsenide, nickel, stainless steel, zerodur, zinc selenide

Polishing pad	Base material	Compressibility [%]	Hardness	Hardness test	Thickness [mils]
SUBA™ 550	Felt	13.00	55	Shore D	50
SUBA™ 600	Felt	4.00	80	Asker C	50
SUBA™ 800	Felt	4.00	82	Asker C	50
SUBA™ X	Felt	13.25	47	Shore D	50
SUBA™ IV	Felt	13.50	44	Shore D	50
SUBA™ IV.150	Felt	13.50	44	Shore D	150
GS polishing pad	Felt	5.00	45	Shore D	150

The data presented is a statistical representation for comparison purposes. The values are not necessarily representative of the COA specifications.



Using perforated or embossed versions can increase the slurry flow and improve removal rates.



Pureon offers a variety of slurries in a wide range of viscosities and custom formulations to match SUBA™ pads. We are happy to assist you in finding the best suitable products.



Pureon offers a wide range of customized solutions. Get in touch with us.

**Product specifications**

Base material ..... Felt  
Shelf life ..... 12 months

**Application recommendations**

Handling ..... Apply only to a clean, dry surface at room temperature. If an appropriate solvent, such as isopropyl alcohol, is used to clean the platen after a pad removal, allow the platen to dry completely and return to room temperature before applying a new pad. Solvents remaining on the platen or an unusually cold platen will lower PSA adhesion.

When applying the pad to the platen, peel the release liner from one edge of the pad. Fold liner back approximately two inches. Align the pad with the edge of the platen and adhere. In one continuous movement, slowly peel the remaining release liner off the pad while pressing the pad down on the platen. The application should be smooth and uniform with even pressure from the pad mounting tool (such as a flat disk or hand roller).

Do not try to reposition pads with PSA adhesive.

Storage ..... Product should be stored and transported in the original packaging. The product should be stored in temperatures between 10 °C to 24 °C (50 °F to 75 °F) and < 50 % humidity. Exposure for six (6) months or less to conditions between -17 °C to 48 °C (0 °F and 120 °F) and / or at relative humidity of up to 100 % will not impact the product performance as long as the release liner remains intact and attached to the PSA. If the product is exposed to temperatures and humidity outside the recommended conditions, it may still be acceptable for use. In all cases, the product should be allowed to return to normal room temperatures prior to use.

Disposal ..... Dispose of in accordance with all applicable local regulations.

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**Contact**

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