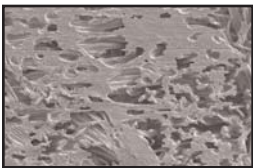




Suba™ Products (Stock or Primary Polishing Pads)

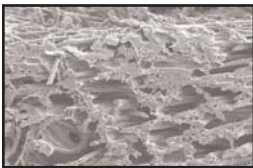
Description

Suba™ products 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 products are ideal for a wide variety of materials including semiconductor wafers, glass, ceramics, special metals and plastic. For optimum performance use Suba products in combination with Rohm and Haas Electronic Materials colloidal silica or fumed silica slurries.



Suba™ 1200 and
Suba™ 1250

The newest Suba pads provide improved overall flatness and SITE flatness for prime wafer manufacturing processes. These pads are specifically designed to reduce pad glazing and improve process control.

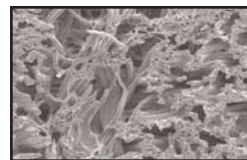


Suba™ IV

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. Suba IV is often used as a base pad in semiconductor applications for the IC1000™ series products.

Typical Measurements		
Product	Compressibility	Hardness (Shore A)
Suba 1200	6	84
Suba 500	8	74
Suba IV	17	67
Suba X	12	68

These values represent typical measurements. Actual values may vary in a range defined by product specifications.



Suba™ 500

Suba 500 is the industry standard for stock removal on silicon wafers. The open pore structure and reduced compressibility of Suba 500 consistently provides rapid, efficient removal with good flatness results.



Suba™ X

Suba X is a denser, harder pad with smaller pore structure than the Suba IV pad. It is often used for polishing glass, quartz or ceramics with consistent, reproducible results. Suba X is available in plain or perforated versions to achieve the desired slurry flow.



creating the
flawless surface

PRODUCT MANUFACTURING

Suba pads are produced at our state-of-the-art ISO 9001:2000 and ISO 14001 certified manufacturing facility Newark, Delaware. This facility has the demonstrated capacity to handle high-volume production requirements. The plant has the flexibility to deliver customized pads that address the needs of the most unique processes.

PLATEN APPLICATION

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 the 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 2 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 II adhesive.

Pads with PSA 4 and 9 are repositionable PSAs and can be repositioned during mounting as necessary.

PACKAGING

Suba pads are delivered on a pressure sensitive adhesive (PSA) backed with a non-particulate release liner. Each pad is bagged to ensure cleanliness is maintained during transportation.

SHELF LIFE

Standard shelf life is one (1) year from the date of manufacture.

STORAGE

Suba pads should always remain flat. Bending pads during handling can cause wrinkles in the PSA and premature delamination of the release liner. All pads should be stored and transported in their original packaging. This 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 - please contact your Rohm and Haas Electronic Materials technical representative for recommendations. In all cases the product should be allowed to return to normal room temperatures prior to use.

PRECAUTIONARY NOTES

Follow all MSDS and label precautions as well as good industrial hygiene practices when handling or using this product. Keep this and all industrial materials away from untrained personnel.

DISPOSAL

Dispose in accordance with all applicable regulations.

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