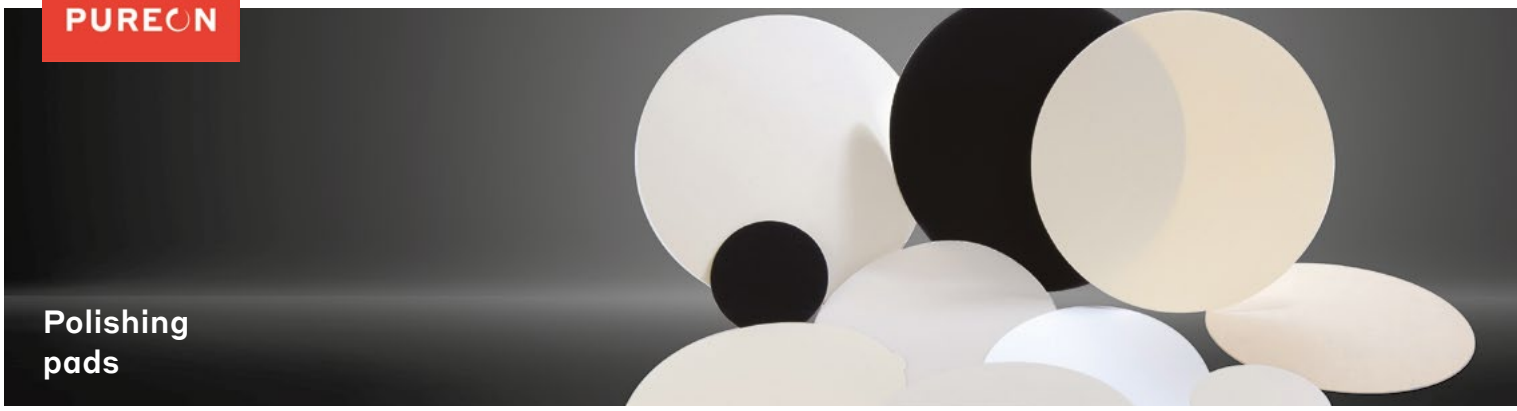
PUREON



Polishing pads

Polyurethane impregnated felt pad, non-woven

Suba™ 500

The highly porous character of Suba 500 helps reduce pad glazing.

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.

Polyurethane impregnated polyster felt pad, non-woven for stock or intermediate polishing

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 500 is the industry standard for stock removal on silicon wafers. Suba 500 consistently provides rapid, efficient removal with good flatness results.

Product specifications

Base material ..... Felt
Shelf life ..... 12 months
Applications ..... Berylium, Fused silica, Indium phosphide, Lithium niobate, Lithium tantalate, Sapphire, Silicon, Stainless steel, Tungsten, Zerodur

Polishing pad	Base material	Compres-sibility %	Hardness	Hardness test	Thickness (mils)
Suba 500	Felt	13.0	55	Shore D	50
Suba 550	Felt	13.0	55	Shore D	50
Suba H2	Felt	12.25	67	Shore D	50
Suba 1200	Felt	6.0	80	Shore D	50

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

Contact
sales@pureon.com
www.pureon.com/sales-contacts

Packing information

Pads are packaged face-to-face (polish side to polish side) and sealed inside a plastic bag to ensure cleanliness during transportation. The bags are taped to the side of the box to prevent the bag from slipping and damaging the pads. Pads should always remain flat. Bending pads during handling can cause wrinkles in the PSA and premature delamination of the release liner.

Suba 500 highlights

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

Pureon offers a wide range of customize tailored solutions. More information can be found on www.pureon.com/products/overview

Instructions

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 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 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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