



Highlights

- Thick poromeric polyurethane for better absorption of non-diamond suspension
- For CMP work only
- Final polishing with chemical polishing suspension

Poromeric polishing pad

MAMBO

Combined with a colloidal silica-based suspension, MAMBO poromeric pad, flocked from a composite of urethane polymers and polyester fiber, is designed exclusively for CMP applications. Its thick, spongy coating (1,25 mm) is packed with multiple micropores ready to receive the fine abrasive particle (0,10 μm – 0,05 μm). The pressure exerted on the piece propels the suspension to the precise point of its passage. Impervious to water, the coating holds the grains on the surface, allowing them to move freely and become highly active. MAMBO promises sharp angles and a deformation-free surface. It is mainly used for ceramic, sapphire, and semiconductor applications. For use with non-diamonded suspensions (e.g. colloidal silica).

Typical applications

Sapphire vitro, ceramics

Polishing pad	Base material	Hardness [Shore A]	Density [g/cm ³]	Thickness [mm]
ALUPOL-PLUS	Viskose	82	620	0,65
MAMBO	Poromer	65	814	1,50
QUICK-STEP	Polyamide	97	528	0,50
SAMBA-N	Polyacrylonitrile	87	840	1,05
STEP-PLUS	Cellulose acetate	96	720	0,65
STEP-PRO	Cellulose triacetate	96	770	0,65
SWING-PLUS	Viscose fibers	88	660	0.85

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



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Pureon offers a variety of slurries in a wide range of viscosities and custom formulations to match MAMBOS polishing 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 Chemically resistant sponge-oxide polyurethane coating; dry elastomer top

Shelf life 12 months

Diameter standard: Ø 200 mm – Ø 400 mm
non-standard: Ø 401 mm – Ø 1'300 mm

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.

Contact

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