



Highlights

- The satin-finish surface of the pad provides an excellent compromise between removal and surface finish, for optimum preparation for the finishing phase
- Good abrasion rate
- Excellent flatness
- Keeps sharp edges

Pad made from woven cellulose acetate filaments

STEP-PLUS

The STEP-PLUS pad is made from woven cellulose acetate filaments, which allow the yarns to resemble those of silk. While they have good elasticity, they are not very hydrophilic and the fiber is not very absorbent. As a result, the pad holds different types of suspension and diamond on the surface. The yarns are also highly resistant to abrasion. This pad is universal. After a lapping phase, it can be used in 99 % of polishing applications (hard ceramics to yellow gold). Reserved for small grain sizes from 6 µm to 0,1µm, it achieves a good removal rate, while maintaining sharp edges.

Typical applications

All metals, 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 STEP-PLUS 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 Linear weave of cellulose acetate yarns; smooth satin top; medium-hard pad
 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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