



Highlights

- Extremely fine pad thickness
- Mirror-finishing for all metals
- Excellent results for diamond and CMP polishing
- Thin pad to match the hardness of the table top
- A hard surface limits the creation of curves

Polishing pad flocked with microfibers

ALUPOL-PLUS

The ALUPOL-PLUS polishing pad is flocked with an extremely high density of microfibers (very short flock height 0,30 mm, yarn thickness 0,9 dtex), giving it a suede-like surface. This erodes residual micro-scratches and creates a shiny effect on the surface of workpieces when combined with a suspension with a maximum grain size of 1 micron. The pad's thinness (0.65 mm) reflects the hardness of the surface on which it is laid. This firmness helps to obtain sharp angles, while ensuring that the workpiece is held securely. The result is a mirror-polished finish.

Typical applications

All metals, sapphire & ruby, 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 ALUPOL-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 Very dense, extra-fine flocked surface, made with viscose microfibers; soft felted 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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