

Highlights

– Industry standard for CMP

Advanced polyurethane with micropore structure

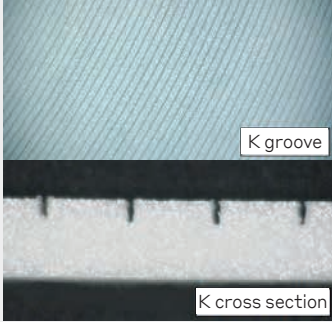
IC1000™

IC1000™ pad is the industry-standard polishing pad for chemical mechanical polishing (CMP). The IC1000™ pad is made of a rigid, micro-porous polyurethane material. These properties enable the IC1000™ pad to deliver localized planarization, excellent removal rates, low global non-uniformity, and low defectivity. The IC1000™ pad works effectively with slurries and conditioners to optimize CMP performance in tungsten, copper, ILD, STI, and polysilicon processes.

Typical applications

Beryllium, germanium, indium phosphide, nickel, polysilicon, sapphire, silicon carbide, tungsten, zinc selenide, copper, ILD, STI

Polishing pad	Base material	Compressibility [%]	Hardness	Hardness test	Thickness [mils]
IC1000™	Urethane	2,25	60	Shore D	50
IC1010™	Urethane	2,25	60	Shore D	80



The IC1000™ pad works effectively with slurries and conditioners to optimize CMP performance.



Pureon offers a variety of slurries in a wide range of viscosities and custom formulations to match IC1000™ 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 Urethane
Shelf life 12 months

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.

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