

Polishing
pads

Polyurethane pad with microcellular pore matrix

MHN15A



MH pads have no abrasive filler in the urethane formula; MH pads are considered non-filled pads.



Pureon offers a variety of slurries in a wide range of viscosities and custom formulations to match MH polishing pads. We are happy to assist you in finding the best suitable products.

Advanced polyurethane pad for applications in optics and semiconductors

MH polishing pads are uniquely designed for polishing and finishing a wide variety of surfaces where flatness and ultra-precision surface finish is critical. These materials include glass surfaces, ceramic components, precision lenses, optics, and aluminum disks. An advanced polyurethane formula is the base of all MH polishing pads. This formula produces a microcellular pore matrix throughout the material and yields an extremely tough, durable surface to withstand the demands of finishing and polishing with abrasives. The MH structure provides maximum use of the abrasive by embedding it into the top surface of the pad to allow greater cutting action and minimizing free particles that can contribute to scratching.

Product specifications

Base materialUrethane
Shelf life12 months
ApplicationsBeryllium, cadmium zinc telluride, calcium fluoride, fused silica, lithium niobate, lithium tantalate, sapphire, stainless steel

Polishing pad	Base material	Compressibility %	Hardness	Hardness test	Density (g/cm3)
MHN15A	Urethane	3.05	84	JIS	0.5

The data presented is a statistical representation for comparison purposes. The values are not necessarily 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.

MH N15A highlights

- Open pore structure.
- Available in different thicknesses.
- Available in multiple surface textures such as plain and XY grooved.



Pureon offers a wide range of customized 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.