



Highlights

- Consistent por structure throughout the material for increased polishing process capabilities
- Run-to-run performance consistency regardless of net shape
- Lower cost of ownership thanks to easy machining: can be shaped, dressed, and reshaped several times
- Fast break-in and long polishing times between dressing
- Able to hold surface figure on steep radius and other challenging shapes
- Lower risk of losing shape, improved geometry on polished parts

Advanced polyurethane with micropore structure, puck form

IC OPTIC

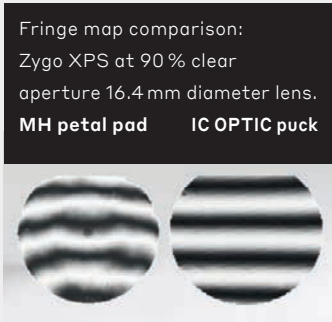
Next-generation optical surfaces will be manufactured in rigorous, predictive, process-controlled environments. Recognizing that your polishing consumables require that same consistency, Pureon is pleased to offer IC OPTIC. Made from the same controlled variation-free material that transformed semiconductor manufacturing, IC OPTIC will have the same transformative effect on the Optics Industry. IC OPTIC is available as flat pads, or 3-dimensional pucks. The IC OPTIC puck can be used in high-speed CNC or spindle polishing equipment, replacing the conventional configuration of petal pad glued onto a shaped metal or glass-formed tool.

Typical applications

Aluminosilicate, APEX, beryllium, BK7, BK9, borofloat, borosilicate, ceramic, cleartran - ZnSu multi-spectral, crystal quartz fused, fused silica, germanium, glass, gorilla, leaded crystal, phosphate, polycarbonate lens, pyrex, quartz, SF6 flint, soda lime - float, zerodur, zinc, zinc borosilicate, zinc selenide, zinc sulfide



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In side-by-side testing, using the same equipment and process parameters, the IC OPTIC outperforms the MH petal pads in both surface finish and shape; surface roughness improvements up to 25%.



Pureon offers a wide range of customized solutions. Get in touch with us.

Product specifications

Base material Urethane
 Shelf life No expiration

Sizes

IC OPTIC pucks will be shipped slightly over-sized to allow for customers to center and true the puck once mounted.

Customer use size	1	1.5	2	2.5	3	3.5	4	5	6
Shipped size	1.125	1.625	2.125	2.625	3.125	3.625	4.125	5.125	6.125
Thickness	0.75	1.00	1.25	1.50	1.75	1.75	1.75	1.75	1.75

Sizes in inch.

Application recommendations

Handling / mounting Mounting the IC OPTIC puck onto an adaptor is recommended. The puck should be epoxy-mounted onto the adaptor, which is then screw-mounted onto the arbor / stem.

Storage Product should be stored in the original packaging to maintain part number and lot traceability. The IC OPTIC should be kept from prolonged exposure to ultraviolet light sources.

Disposal Dispose of in accordance with all applicable local regulations.

Contact

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