

io POLISHING PADS

io-1000 Series

Description

io-1000 pad is a non-woven textile (rayon and acetate fibers in a binder) with a nominal finished thickness of 0.028 inches with a tolerance of ± 0.002 inches. The face of the pad has been buffed to enhance flatness on polishing substrates. A wetted pad can expand up to 25% in thickness while maintaining its surface uniformity and parallelism.

It is recommended for use in polishing hard materials such as ceramics, optical glass, and crystals. This pad was designed to provide rapid stock removal while achieving superb surface finishes. Recommended for use on most abrasive types, such as diamond, aluminum oxide, colloidal silica, and ceria.

io-1000 Product Code

io-1000S - Uncut sheet approx. 44" x 70"

io-1000D - Cut Discs

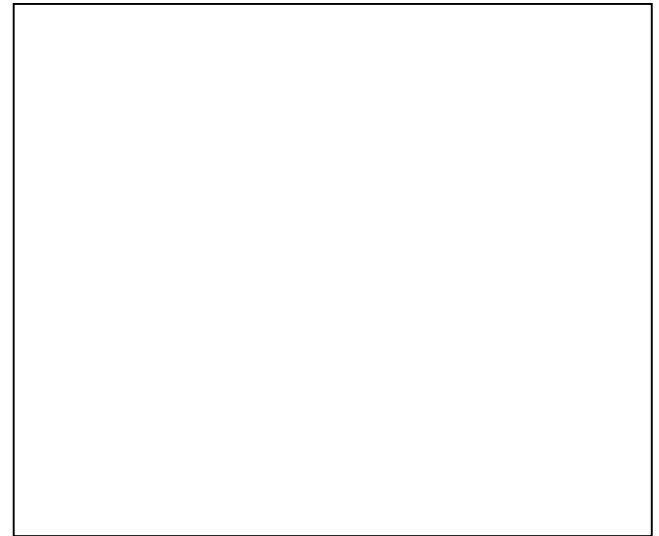
Example: io-1000D16 = 16" dia. disc.

Adhesive

io-1000 series come with a pressure-sensitive adhesive coating that provides firm adhesion to metal and ceramic plates while making it easy to peel off the lap. It has a 0.003" polyester barrier between the pad material and the pressure-sensitive adhesive coating. This barrier is impervious to oil, alcohol, glycol and water. A removable paper protects the adhesive backing.

Availability

Pads are available in sheets and discs up to 44" diameter. Discs come packaged in a bag of 10. Standard lead-time is 2 weeks.



Application

Highly recommended for polishing soft materials used in ophthalmic glass polishing, fiber optics, optical lenses, and crystals.

- For example: Quartz, CaF_2 , ZnSe, Brass, LiNbO_3 .

Product Benefits

- Provides fast MRR on hard substrates that require diamond or alumina slurry for polishing.
- Can produce surface roughness as low as 5Å
- Provides excellent flatness, comparable to pitch polishing.
- Highly durable and long lasting performance.
- Excellent polishing repeatability.



Saint-Gobain Grains & Powders

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