

Highlights

- More economic than abrasive foil or slurries
- High planarity and precise edges
- Longer service life than abrasive foil
- Clean operation because no abrasive slurry is needed

Diamond Grinding Pad

PLATO

For non-metallic samples such as ceramics, glass, and rock samples we recommend the diamond grinding pad PLATO. The diamond particles on the surface are metal-bonded and ensure a high and steady removal, even in very hard materials. PLATO diamond grinding pads do not need to be pre-processed or dressed. Due to the high diamond concentration and quality the pad is self-sharpening. This grinding pad is suitable for almost all cooling lubricants because of its metal binding. In the field of stone processing, even the dry usage is possible.

Product specifications

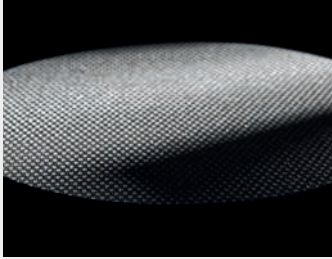
Diameter	200 / 250 / 300 mm one-piece for bigger diameters multi-piece (up to 760 mm)
Diamond size	Standard: 10 µm / 54 µm / 75 µm / 125 µm Additional sizes: 25 µm / 40 µm / 250 µm (on request)
Bond type	metal-bond
Mounting	stainless steel carrier / self-adhesive (PSA)

Application recommendations

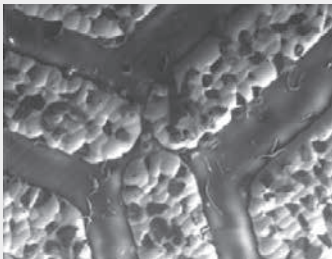
Max speed	15 m/s
Grinding pressure	13 N/cm ² for ceramics
Coolant	water, alcohol, oil, emulsion
Typical applications	rough and fine grinding of non-metallic samples, embedded and non embedded samples

Self-sharpening

The PLATO diamond grinding pads do not have to be dressed thanks to the self-sharpening effect. This prolongs the service life, minimizes costs, and increases reproducibility.



Metal-bonded diamond grinding pad PLATO



Close-up grinding Pad PLATO



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

Precision size range

Due to the narrow grain size spread, the number of particles with the same size is maximized, or fine and big grain fraction is reduced. This allows high material removal rates and excellent surface qualities.

Flexible backing

The flexible backing absorbs vibrations and reduces material fracturing, at the same time corrosion is prevented.

Clean work

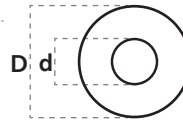
For cooling only running water is required. The pellets can be cleaned with a brush (without the addition of acid) under running water.

Order information

Order code PLATO diamond grinding pad; 250 mm; 75 micron; self-adhesive (PSA)

Packing 1 piece / box

Diameter



Custom-engineered pads are available on request.

Examples

Diameter	Grit size
200 mm	125 micron
250 mm	125 micron
300 mm	125 micron
200 mm	75 micron
250 mm	75 micron
300 mm	75 micron
200 mm	54 micron
250 mm	54 micron
300 mm	54 micron
200 mm	10 micron
250 mm	10 micron
300 mm	10 micron

Larger diameters on request.

Contact

sales@pureon.com
www.pureon.com

