

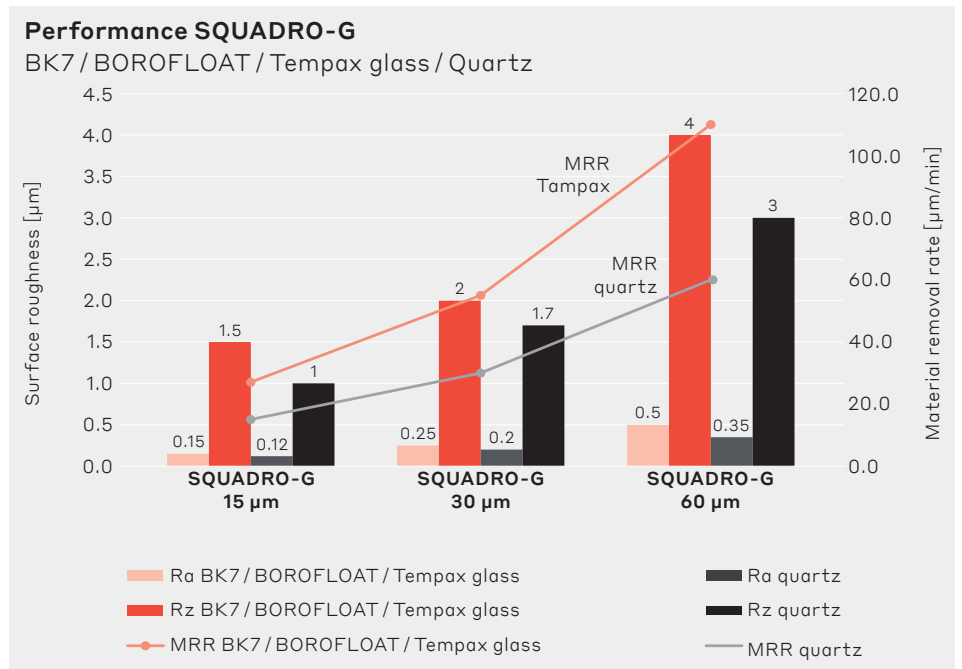
Highlights

- Suited for all common glass materials
- Flexible process parameters enable precise performance tuning
- More economic than abrasive foil or slurries
- High planarity and precise edges
- Longer life time than abrasive foil
- Clean operation because no abrasive slurry is needed

Diamond grinding pad

SQUADRO-G

SQUADRO-G is an innovative and highly efficient diamond grinding pad suitable for fine grinding of optical glass, BK7, fused silica, glass-ceramics as well as crystalline and brittle glassy materials. SQUADRO-G generates a high and consistent removal over its entire life time as well as impressive surface qualities and edge sharpening. Thanks to its long life time and easy handling, SQUADRO-G is an economical and efficient alternative to thin abrasive films or conventional lapping processes.





SQUADRO-G grinding pad



Glass wafer, type BK7



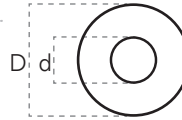
Pureon offers a wide range of customized solutions. More information can be found on www.pureon.com/products/overview

Product specifications

- Diameter 200 – 760 mm one-piece
for bigger diameters multi-piece
- Diamond size 3 µm, 6 µm, 15 µm, 30 µm, 45 µm, 60 µm
- Abrasive layer thickness 0.4 mm, optional 0.8 mm
- Bond type resin, triangular structure
- Carrier material polycarbonate
- Backing / mounting self-adhesive, magnetic foil or metal plate

Order information

- Order code SQUADRO-G **30** MICRON-(X) B4 **D 7 P** -DDD-ddd
- Packing 1 piece / box
- Diameter



Custom-engineered pads are available on request.

Application recommendations

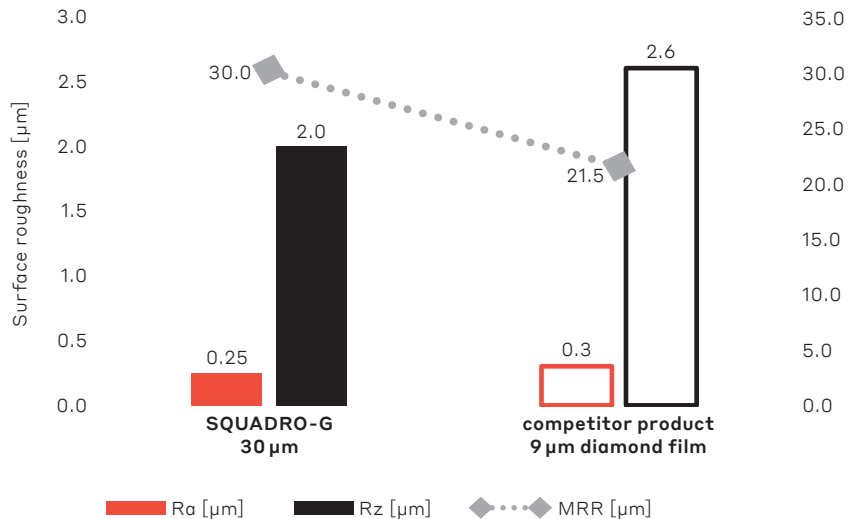
- Dressing Prior to the first use, the SQUADRO-G pad has to be dressed and planarized with a dressing tool (e.g. Al2O3 with grit 280 mesh (grit size 45, 60 micron) or 400 mesh (grit size 3, 6, 15, 30 micron)).
- Cleaning To ensure cutting efficiency of the bonding, the grinding pad has to be cleaned from abrasive debris regularly. Best suited for this are brass brushes for manual or machine use. Machine brushes can be ordered from Pureon as accessories.
- Coolant SQUADRO-LUB+ is a water-soluble cooling and lubricating fluid and ensures high and consistent material removal. DI-water is only partly suited. No dry running. SQUADRO-LUB+ can be ordered from Pureon as an accessory.

Grinding parameters

- Grinding pressure recommended: 0.2 – 1 kg/cm2, max. 1.5 kg/cm2
- Circumferential speed recommended: 5 m/s, max. 10 m/s

Performance comparison on BK7 glass

SQUADRO-G 30 vs competitor product



Contact

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