



PRODUCT INFORMATION

SEPP PSA Sapphire-Polishing Slurry

PRODUCT DESCRIPTION

SEPP PSA is a ready-to-use colloidal alumina polishing suspension, specially developed for processing sapphire (C-Plane), YAG and other particularly hard crystals. The improved floating behavior makes the polishing slurry very suitable for use in polishing machines with circulation systems. The advantages compared to the use of conventional colloidal silica slurries is the up to 4-times increase in stock removal rates.

TECHNICAL DATA

appearance:	white slurry
crystal :	alpha
Mohs hardness:	9
pH - Value (in DI Water):	12,5 – 13,0
particle size (d50)	0,20 – 0,30µm
recommended dilution:	the optimum dilution should be optimally adjusted in detail for each process
achievable surface quality:	0,2 – 0,3 nm
recommended polishing foil:	polyurethane, Syntex 65 NE, synthetic felt SF-5 C45 / C90

APPLICATION

The Sepp PSA is exceptionally well suited for the pre- and fine polishing of hard crystals such as sapphire and yttrium aluminum garnet (YAG).

The following are some of the applications in which the Sepp PSA can be used for:

- sapphire, YAG crystals, silicon
- single-crystal materials
- fiber optics
- ceramics
- hard-metal alloys

PACKING

1 kg jug
5 kg plastic can
25 kg plastic can