Akasel Fact Sheet

Paran-S Polishing Cloth

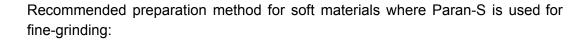
Updated January 2021



The Paran-S polishing cloth is based on a resin impregnated non-woven textile. Compared to other, woven polishing cloths, it has a very low resilience / high hardness, hence the diamond abrasive cannot be pressed very deep into the textile. This results in a high removal rate and a very good planeness of the prepared samples.



The Paran-S polishing cloth is very well suited for fine-grinding of soft materials like aluminium and aluminium alloys with a hardness >50 HV.







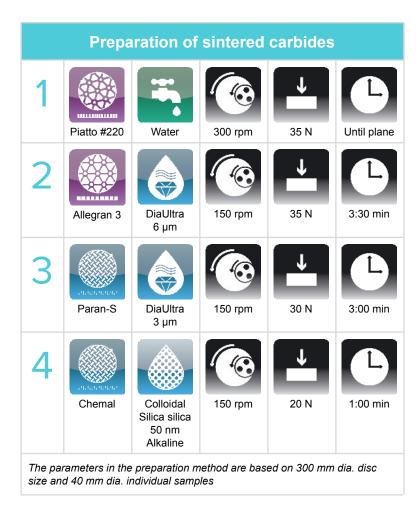




The parameters in the preparation method are based on 300 mm dia. disc size and 30 mm dia. individual samples



Another recommended application area is polishing of very hard materials like sintered carbides. Paran-S provides very good planeness and edge retention and will show excellent results even with coated sintered carbides where very thin layers have to be measured.



Tip: Paran-S has a very open structure and therefore a quite long run-in time. To eliminate the run-in time, use Aka-Stick to prime the Paran-S cloth. Use the same grain size as the suspension or spray used.



The image shows the surface of the Paran-S and the open structure is clearly visible.