



Polishing Cloths

– THE SMARTER ALTERNATIVE
FOR DIAMOND AND OXIDE POLISHING



Plaran
Woven Nylon
15 - 3 μm



Paran-S
Non-woven
Polyester
15 - 1 μm



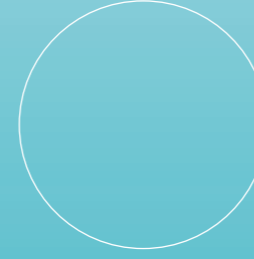
Silk
Woven Silk
9 - 0.25 μm
Oxide polishing



Ramda
Woven Acetate
3 - 1 μm



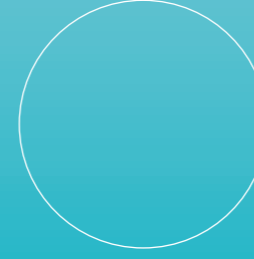
Daran
Woven Acetate
6 - 0.25 μm
Oxide polishing



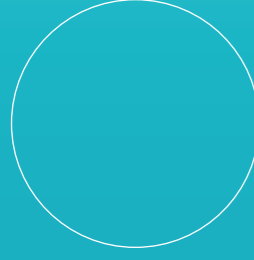
Moran-U
Woven Wool
6 - 1 μm



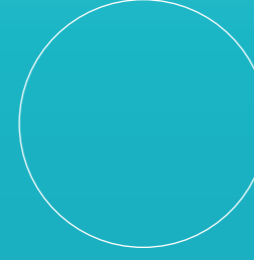
Moran
Woven Wool
6 - 3 μm



Plural
Flocked Viscose
3 - 1 μm



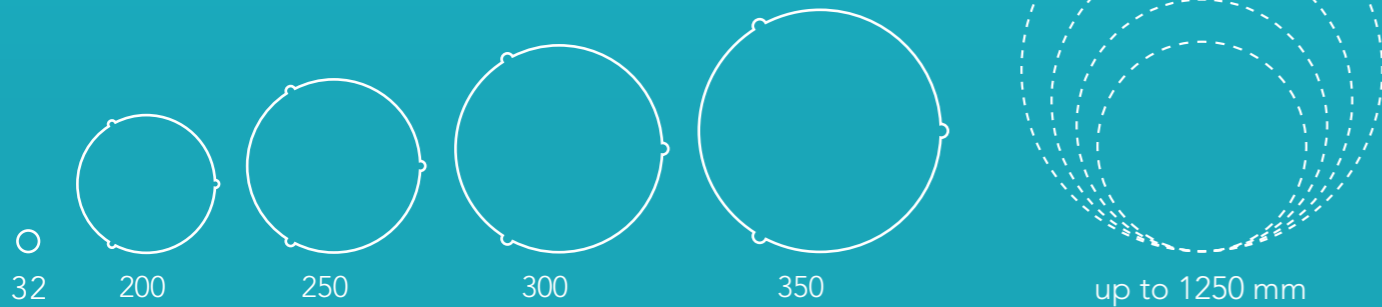
Napal
Flocked Viscose
1 - 0.025 μm
Oxide polishing



Chemal
Synthetic Foam
Oxide polishing

SELECTION GUIDE

Polishing cloths for all
applications in metallographic
fine grinding and polishing



THE SMARTER
ALTERNATIVE

MADE IN DENMARK - 65410102

WWW.AKASEL.COM

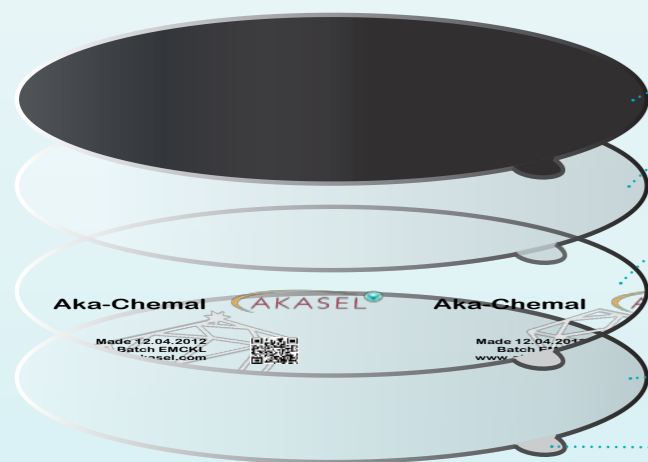




Akasel polishing cloths are developed and manufactured to provide the best possible performance for metallographic sample preparation. Two versions are available:

- Self-adhesive cloths to be glued onto an aluminium support disc.
- The Mag-type polishing cloths to be placed directly on a magnetic support disc.

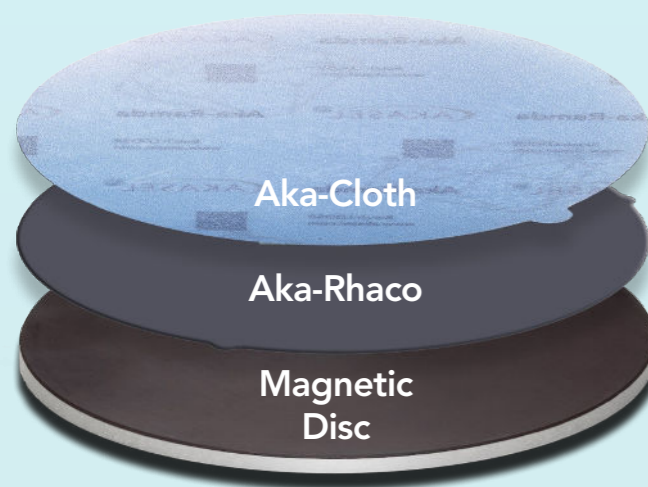
The Akasel polishing cloths have a unique composition:



- Selected textile for optimum performance
- Water, ethanol and oil resistant polymer barrier
- Transparent, PSA backed foil with low tack for good adhesion to and easy removal from the preparation disc, with printed batch information for easy identification and QR code for additional info
- Transparent liner with easy adhesion to Aka-Rhaco
- Tab for easy removal

The Mag-type polishing cloths for use on magnetic support discs are based on the cloths above, laminated on steel discs. The steel discs are equipped with 3 tabs for easy removal.

The self-adhesive cloths can also be used with the unique Aka-Rhaco.



Aka-Rhaco is a thin steel disc with a soft, sticky polymer coating. Without removing the liner, the cloth can be attached to an Aka-Rhaco disc, and when worn, the cloth can easily be removed again. It is thus identical to a magnetic cloth, but at a lower price, as the Aka-Rhaco can be used over and over again. Furthermore, the environmental impact is considerable as only a fraction of steel discs have to be disposed of. With Aka-Rhaco and a self-adhesive cloth, you have all the advantages of a magnetic cloth and at the same time a cost-effective and environmentally friendly solution.

APPLICATION OVERVIEW

	Cloth material	Fine grinding	Polishing	Final polishing	Application
Plaran	Woven Nylon	15 - 6 µm	3 µm	÷	Fine grinding of soft metals, polishing of hard materials
Paran-S	Non-woven Polyester	15 - 3 µm	6 - 1 µm	÷	Fine grinding of soft metals, polishing of hard materials
Silk	100% Woven Silk	9 µm	6 - 1 µm	1 - 0.25 µm Oxide polishing	Fine grinding of ferrous metals, polishing and final polishing of harder materials and coatings
Ramda	Woven Acetate	÷	3 - 1 µm	1 µm	Polishing of all materials. Harder than Daran
Daran	Woven Acetate	÷	6 - 1 µm	1 - 0.25 µm Oxide polishing	Polishing of all materials. Softer than Ramda
Moran-U	100% Woven Wool	÷	6 - 3 µm	1 µm	Polishing and final polishing of non-ferrous and ferrous metals
Moran	100% Woven Wool	÷	6 - 3 µm	÷	Polishing of non-ferrous and ferrous metals
Plural	Flocked Viscose	÷	3 - 1 µm	÷	Fast, one-step polishing of steels, sintered carbides and other hard materials. Polishing of unmounted samples
Napal	Flocked Viscose	÷	÷	1- 0.025 µm Oxide polishing	Final polishing of all materials
Chemal	Synthetic Foam	÷	÷	Oxide polishing	Chemical/mechanical final polishing of all materials

Useful tips:

- To eliminate the run-in time of a new polishing cloth use a diamond stick to prime the polishing cloth.
- For the shortest polishing times and the best results use the high concentration 2-in-1 diamond suspension DiaUltra.
- When preparing water sensitive materials use Aka-Poly WF together with Aka-Lube Clear WF.

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