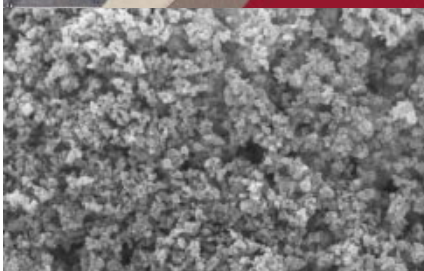
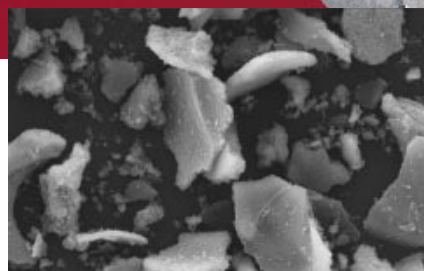


AP Suspension and Powder



Deagglomerated



Agglomerated

Struers AP Suspensions and Powders are based on ultra pure aluminium oxides (alumina). They are available in two forms, deagglomerated and agglomerated.

- Easily applied and distributed on the cloth during polishing
- Abrasive particles of uniform shape and size
- The Aluminium Oxide Suspensions have an excellent stability

Deagglomerated

AP-D, deagglomerated aluminas are premium polishing abrasive and are agglomerate-free. The uniform crystals ensure an ultra-fine surface. AP-D Suspension is available in the grain sizes 1 μm alpha, 0.3 μm alpha, 0.1 μm alpha and 0.05 μm gamma.

Agglomerated

AP-A, agglomerated aluminas are easily broken down during the polishing process while still providing faster initial stock re-

moval. They are available in the grain sizes 5 μm alpha, 1 μm alpha, 0.3 μm alpha, 0.1 μm alpha and 0.05 μm gamma.

Alumina powders

Alumina powders consist of uniform particles with a narrow particle size distribution. The powders can easily be mixed with distilled water.

Alumina Suspensions

Struers' AP Suspensions have a high abrasive concentration. The suspensions can be used

AP Suspensions and Powders are recommended for polishing of a broad range of materials. The abrasive particles have a uniform shape and size with a narrow particle size distribution

directly in the high concentration form or diluted with 3-5 parts of distilled water. Even in the diluted form the suspensions are stable. They are therefore easily applied and distributed on the cloth during polishing. Further, manual and automatic dosing equipment can be employed.

Applications Areas

AP Suspension and Powder can be used for a wide range of materials:

Semiconductors

Steel

Aluminium

Copper and Copper alloys

Coatings

Nickel-base alloys

Cobalt-base alloys

Plastic

AP Suspension and Powder are recommended for use in combination with our LaboPol-6. LaboPol-6 is part of our LaboPol series of machines with a 200 mm disc diameter.

The speed range goes from 100 to 1200 rpm, which makes the LaboPol-6 especially suited for manual preparation with alumina products.

AP-D Suspension

Grain size	Contents	Code	Cat.no
1 µm	500 ml	ADONE	40700034
0.3 µm	500 ml	ADTRE	40700035
0.1 µm	500 ml	ADTEN	40700036
0.05 µm	500 ml	ADTWE	40700037

AP-A Suspension

5 µm	500 ml	ALFIV	40700042
1 µm	500 ml	ALONE	40700043
0.3 µm	500 ml	ALTRE	40700044
0.1 µm	500 ml	ALTEN	40700045
0.05 µm	500 ml	ALTWE	40700046

AP-D Powder

1 µm	1 kg	AFONE	40700038
0.3 µm	1 kg	AFTRE	40700039
0.1 µm	1 kg	AFTEN	40700040
0.05 µm	1 kg	AFTWE	40700041

AP-A Powder

5 µm	1 kg	APFIV	40700047
1 µm	1 kg	APONE	40700048
0.3 µm	1 kg	APTRE	40700049
0.1 µm	1 kg	APTEN	40700050
0.05 µm	1 kg	APTWE	40700051

AP Suspensions and Powders can be used on a variety of polishing cloths

Polishing Cloths	OP-Nat	MD/DP-Floc	MD/DP-Nap
Grain size	≤ 9 µm	≤ 3 µm	≤ 1 µm

Polishing cloth, 200 mm dia. Package of 5 pcs.	Code	Cat.no.
OP-Nat, adhesive backed	OPNOT	40500304
MD-Floc, metal backed	MAFLO	40500403
DP-Floc, adhesive backed	DEKLO	40500228
MD-Nap, metal backed	MANAP	40500080
DP-Nap, adhesive backed	DENKA	40500232

Polishing cloth, 250 mm dia. Package of 5 pcs.	Code	Cat.no.
OP-Nat, adhesive backed	OPNIK	40500305
MD-Floc, metal backed	MUFLO	40500404
DP-Floc, adhesive backed	DETFO	40500229
MD-Nap, metal backed	MUNAP	40500081
DP-Nap, adhesive backed	DETAP	40500233

Polishing cloth, 300 mm dia. Package of 5 pcs.	Code	Cat.no.
OP-Nat, adhesive backed	OPNAT	40500306
MD-Floc, metal backed	MEFLO	40500405
DP-Floc, adhesive backed	DEMCO	40500230
MD-Nap, metal backed	MENAP	40500082
DP-Nap, adhesive backed	DEMAN	40500234

Polishing cloth, 350 mm dia. Package of 5 pcs.	Code	Cat.no.
OP-Nat, adhesive backed	OPNEL	40500307
DP-Floc, adhesive backed	DEFLO	40500231
DP-Nap, adhesive backed	DENYF	40500235

Struers' products are subject to constant product development. Therefore, we reserve the right to introduce changes in our products without notice.



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