

FinalPrep Alumina Solution

Date: 07/2021, v1.1

Refer to the SDS document for additional safety information.



GHS07

Technical Information	
Color	Whitish
Solubility in Water	Dispersible
pH Value	>7 at 20 °C (68 °F)

FinalPrep is a de-agglomerated, polycrystalline alumina solution excellent for final polishing applications for nearly any material. With a pH of 9–9.5, the basic chemical element enhances microstructural features. It works exceptionally well for polishing soft, ductile or precious metals, and provides an excellent surface finish on many materials such as those listed in Table 1.

FinalPrep should be shaken well before use to mix any settled abrasive. Since the abrasive can crystalize, do not let the cloth dry out. It is recommended to charge the cloth with sufficient FinalPrep prior to polishing to prime and saturate the cloth with solution so as not to polish dry. The most common dispensing parameters for FinalPrep are 1-second-long pulses at 10 pulses per minute.

Before and after polishing, clean the samples with micro organic soap, rinse them with isopropyl alcohol and then dry them using compressed air spray or heat. This removes debris and abrasive particulates, and reduces the likelihood of scratches on samples due to abrasive contamination. After use, clean the cloth with sufficient water to remove the solution before storage to prolong cloth life.

Table 1: FinalPrep Alumina Solution Uses

Group	Material Examples	Recommended Cloths
Precious Metals	Gold, Silver, Platinum & Iridium	DiaMat, Final P
Electronic Materials	Packages, Gold Bond Wires, ICs, LEDs, Semiconductors & Circuit Boards	Final A, Red Final C, Final P
Ferrous Metals	Carbon Steels, Iron & Stainless Steels	Chem-Pol, Final-Pol
Non-Ferrous Metals	Copper, Titanium, Aluminum, Lead, Zinc, Cobalt, Nickel & Lead-Based Alloys	Chem-Pol, Final P