

# Abrasive Powders and Suspensions



HUDSON offers a variety of abrasive powders which may be mixed with distilled water to create various consistencies based on your desired mix ratios.

## Alumina Powders (1 Lb. Jars)

Agglomerate Free

MICRON	QUANTITY	PART NO.	PRICE/EA
0.05	1	AP05AF	XXXX
	5		XXXX
0.3	1	AP3AF	XXXX
	5		XXXX
1	1	AP1AF	XXXX
	5		XXXX

## Aluminum Oxide Powders

HUDSON aluminum oxide powders are levigated. They are used for grinding and rough to final polishing. Recommended for final polishing of ceramics and refractories.

PER 1 POUND			PER 5 POUNDS		
MICRON	PART NO.	PRICE	MICRON	PART NO.	PRICE
3.0	A0P10	XXXX	3.0	A0P5-10	XXXX
5.0	A0P15	XXXX	5.0	A0P5-15	XXXX

## Slurry

MICRON	SIZE: 6 OZ.		SIZE: 1 GALLON	
	PART NO.	PRICE	PART NO.	PRICE
.05	AS056	XXXX	AS056-1	XXXXX
0.3	AS36	XXXX	AS36-1	XXXXX
1	AS16	XXXX	AS16-1	XXXXX
5 Micron Levigated	AS56	XXXX	AS56-1	XXXXX

## HUDPOLISH

### Colloidal Alumina .5 Micron

Colloidal Alumina is an acidic suspension. Its chemical-mechanical action provides superior surfaces on germanium, silicon, arsenides, zinc sulfide, zinc selenide, fluorides, sapphire, ferrites, and silicon carbide. Low scatter finishes can be obtained on pure metals such as nickel, tungsten, copper, beryllium and also on steel and aluminum.

Epoxy resin materials and plastics are successfully polished with this versatile colloidal suspension. Properties- pH3 to 3.5, 20% solids, Viscosity: thixotropic.

SIZE	PART NO.	PRICE
1 quart	CA-30	XXXX
1 gallon	CA-40	XXXXX

### Colloidal Alumina/Silica

Colloidal Alumina/Silica is a final medium polish which is used as a mechanochemical polishing action to achieve superior finishes. This suspension produces exceptional removal rates and finishes by reacting chemically with the surface of ceramic materials to allow the abrasive particles to cut more efficiently. Colloidal Alumina/Silica may be used on aluminum, glass sapphire, silicon nitride, and metal/ceramic composites. Properties - pH: 9

SIZE	PART NO.	PRICE
1 gallon	CAS-40	XXXXX

### Colloidal Silica .05 Micron

Colloidal Silica is an alkaline suspension that eliminates problems caused by drying or freezing associated with other colloidal silica products used for chemical/mechanical polishing. It is the premier silica dispersion for optimizing surface finishes on oxides, metals, semi-conductors, and ceramic based materials such as silicon, fused silica, lithium niobate, YAG, sapphire, etc. Its small particle size and aggressive chemical/mechanical polishing action is capable of producing very fine finishes. Properties - pH: 9.6 to 9.9, 40% Solids, Viscosity: 20 to 40 cp.

SIZE	PART NO.	PRICE
1 quart	CS05-30	XXXX
1 gallon	CS05-40	XXXX