



POLISHING POWDERS & SUSPENSIONS

POLISHING POWDERS

PSI Polishing Powders are designed for the Materials Laboratory and used in the final polishing step for many materials.

These products are very carefully manufactured and graded to meet the Materials Scientist's most exacting specifications. When working with these extra fine particulate materials, extra care must be taken to avoid contamination.

PSI supplies four types of polishing powders to meet your needs:

- Hi-Purity Alumina
- 99.99% pure
- De-agglomerated
- Magnesium Oxide
- Iron Oxide
- Chromic Oxide

PSI Polishing Powders can easily be made into a slurry for your specific application by mixing with de-ionized or distilled water.

Please contact the PSI office to discuss your specific polishing needs or if you have any questions.

POWDER GRADE CHART			
Powder	Micron	Form	Unit Size
Alumina Powder	.05	Cubic	1lb or 5lb
Alumina Powder	.3	Hexagonal	1lb or 5lb
Alumina Powder	1	Hexagonal	1lb or 5lb
Alumina Powder	5	Levigated	1lb or 5lb
Magnesium Oxide	1		1lb
Iron Oxide	3		1lb
Chromic Oxide	7		1lb

POLISHING SUSPENSIONS

PSI Polishing Suspensions are designed for the Materials Laboratory and used in the final polishing step for many materials.

SUSPENSION GRADE CHART			
Type	Micron	Form	Unit Size
Alumina	.05	Cubic	6oz or 128oz
Alumina	.3	Hexagonal	6oz or 128oz
Alumina	1	Hexagonal	6oz or 128oz
Alumina	5	Levigated	6oz or 128oz
Chrome Oxide	1		6oz
Chrome Oxide	5		6oz
Cerium Oxide	1		6oz
Colloidal Silica	.04		16oz or 64oz
Aloxsil	.05		16oz, 32oz, 128oz

In these products, carefully graded particles of the required micron grade are blended with a permanent carrier suspension to insure uniform particle concentration.

The Alumina suspensions are made with the same 99.99% pure de-agglomerated powder discussed to the left and are used with most materials.

Chrome Oxide and Cerium Oxide polishing suspensions are used mainly in the Lapidary markets to polish gems and hard stones.

The Colloidal Silica suspension is used for the final polishing of almost any material.

Aloxsil is a premium final polishing blend of alumina and colloidal silica for ferrous, non-ferrous and non-metallic materials.

Supplied in convenient plastic, flip-top bottles, PSI Polishing Suspensions can be dispensed easily and accurately to the polishing cloth.

Contact the PSI Office to discuss your specific application needs.

