

Lapping and polishing slurries



Aluminum oxide slurry

**ULTRA-SOL® 201A60**

**Aluminum oxide slurry for lapping and polishing of various materials**

ULTRA-SOL® 201A60 colloidal alumina slurry is used for polishing a wide variety of materials, including zinc, cadmium, as well as other ferrous alloys. Of all the products in the 200A line of the slurries, 201A60 contains the smallest and softest alumina particles, yielding superior finish at the cost of removal rate.



Colloidal alumina suspensions are used with various lapping and polishing pads. We are happy to assist you in finding the best suitable products.

**Product specifications**

Base material .....Aluminum oxide

Shelf life.....12 months

Applications .....Aluminum, cadmium zinc telluride, gallium arsenide, indium phosphide, nickel, spinel, zinc selenide



Pureon ready-to-use slurries are available in customer-tailored formulations in a wide range of viscosities.

Order code	Base material	Particle size [µm]	pH	Solids content [%]	Specific gravity
ULTRA-SOL® 200A	Aluminum oxide	0.10	4.0	22.2	1.19
ULTRA-SOL® 201A60	Aluminum oxide	0.06	3.5	20.5	1.15
ULTRA-SOL® 201A140	Aluminum oxide	0.14	4.0	20.0	1.14
ULTRA-SOL® 201A280	Aluminum oxide	0.05	4.0	23.5	1.18
ULTRA-SOL® 200AM5	Aluminum oxide	0.80	4.0	21.0	–

**Contact**

sales@pureon.com  
www.pureon.com/sales-contacts

**Order information**

**Packing**

1 gal jugs, 5 gal jugs, and 55 gal drums. Other sizes available upon request.

**Unit of measure**

Gallon [gal]

**ULTRA-SOL® 201A60 highlights**

- Acidic, colloidal alumina dispersion will not settle or hardpack
- Unique matrix of abrasive types provides fast removal rates and good surface finishes
- Primarily features softest, boehmite alumina abrasives to reduce scratching and sub-surface damage
- Acidic chemistry designed to soften materials for improved rate and finish

**Instructions**

**Safety**

To avoid skin or eye irritation, use appropriate personal protective equipment according to MSDS. Follow all MSDS, Safety datasheet, label precautions and industrial safety and hygiene practices when handling or using this product.

**Homogenization**

For consistent performance, ensure that the suspension is completely homogenized prior to use. Suspensions can separate if stored over extended periods of time and if exposed to variable temperatures.

**Dilution**

This slurry is designed as a ready-to-use product directly from the container. If the slurry is to be used in a diluted form, use only high-quality deionized water (> 18 M ohm) for the dilution. The product should be mixed periodically (10 to 20 minutes per day) by recirculation or mechanical stirring to ensure that the particles are uniformly suspended. To avoid possible scratching issues, storage and re-use of on-site diluted slurry is not recommended without proper mixing and filtration.

Due to the unique formulation of this slurry, pH adjustment is not recommended. For a different pH, please contact your Pureon representative.

**Storage**

Recommended	4 °C – 33 °C / 40 °F and 90 °F
Sort term	0 °C – 38 °C / 32 °F and 100 °F

Products should be allowed to return to room temperature prior to use. Storage outside the recommended conditions may result in irreversible product damage.

**Disposal**

Dispose of in accordance with all applicable local regulations.



Pureon offers a wide range of customized solutions. More information can be found on [www.pureon.com/products/overview](http://www.pureon.com/products/overview)