



Highlights

- Acidic, colloidal alumina dispersion will not settle or hardpack
- Compatible with pads, pitch, CNC, or spindles
- Low viscosity, easily pumpable
- Unique matrix of abrasive types provides fast removal rates and good surface finishes
- Features a blend of alpha and gamma aluminum oxide abrasives for a balanced approach to rate and finish
- Acidic chemistry designed to soften materials for improved rate and finish

Acidic colloidal alumina slurries

ULTRA-SOL®

ULTRA-SOL® acidic colloidal alumina slurries offer proven results in polishing a wide variety of materials. These industry-standard slurries are the process of record in many metal polishing processes and achieve excellent surface finishes on epoxy resins and plastics. ULTRA-SOL® acidic colloidal alumina slurries are the most widely used slurries for polishing infrared materials, as their unique particle technology provides scratch-free surfaces on these challenging materials.

ULTRA-SOL® acidic colloidal alumina slurries provide aggressive removal rates while maintaining superior surface finishes. The acidic pH allows its chemical-mechanical action to provide superior, low-scatter finishes in a wide variety of applications.

Typical applications

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

Order code	Base material	Particle size [µm]	pH	Solids content [%]
ULTRA-SOL® 200A	Aluminum oxide	0,10	4,0	22,2
ULTRA-SOL® 201A60	Aluminum oxide	0,06	3,5	20,5
ULTRA-SOL® 201A140	Aluminum oxide	0,14	4,0	20,0
ULTRA-SOL® 201A280	Aluminum oxide	0,05	4,0	23,5
ULTRA-SOL® 200AM5	Aluminum oxide	0,80	4,0	21,0



ULTRA-SOL® acidic colloidal alumina slurries are used with various lapping and polishing pads. We are happy to assist you in finding the best suitable products.



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



Pureon offers a wide range of customized solutions. Get in touch with us.

Product specifications

Base material Aluminum oxide
Shelf life 12 months

Order information

Packing 1 gal jugs, 5 gal jugs, and 55 gal drums.
Other sizes available upon request.
Unit of measure Gallon [gal]

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
Short 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.

Contact

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