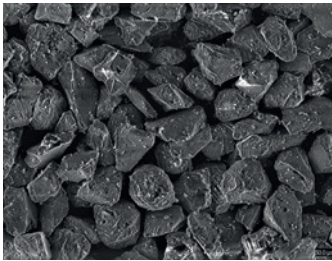


Lapping and polishing slurries



Aluminum oxide powder

**ULTRA-SOL® M15**



ULTRA-SOL® “M” aluminum oxide slurries feature high purity, tightly controlled particles to provide fast removal rates and good surface finishes.

**Deagglomerated aluminum oxide powder**

ULTRA-SOL® M powders are unique aluminum oxide abrasive powders. The controlled distribution and high-purity (> 99.99%) alumina powders provide an optimum solution for critical needs in precision polishing of optical materials, electro-optical materials, laser crystals, ophthalmic lenses, and in metallurgical specimen preparation. Please note that the data below represents functional particle sizes, which are typically smaller than measured with standard light scattering metrology. These are indicative of how the particle will act under pressure in a polishing application.

**Product specifications**

Base material .....Aluminum oxide  
 Shelf life.....12 months  
 Applications .....Aluminum, nickel



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® M5PS	Aluminum oxide	0.80	8.5	15.0	1.13
ULTRA-SOL® M5PS2	Aluminum oxide	0.90	8.5	15.0	1.13
ULTRA-SOL® M15	Aluminum oxide	0.24	–	–	–
ULTRA-SOL® M15PS	Aluminum oxide	0.30	8.0	15.0	1.13
ULTRA-SOL® M30PS	Aluminum oxide	0.10	8.5	14.0	1.13
ULTRA-SOL® M100PS	Aluminum oxide	0.05	8.5	10.5	1.09

**Contact**

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

**Order information**

**Packing**

1 [lb] jars and 5 [lb] bags. Other sizes available upon request.

**Unit of measure**

Pound [lb]

**ULTRA-SOL® M15 highlights**

- 99.99 % pure aluminum oxide abrasives & suspensions
- Small particle sizes ideal for intermediate and final polishing of many different materials
- Abrasives milled and deagglomerated to create controlled, consistent particle size distribution, reducing scratches
- Unique blend of alpha & gamma phase alumina to yield best balance of rate and finish



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)

**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.