



**Highlights**

- Hard, alpha-alumina abrasives designed for aggressive removal rates
- Proprietary oxide package to improve selectivity on multiple materials
- Popular choice for patterned media, hard-drive heads, and tungsten
- Acidic chemistry designed to soften materials for improved rate and finish

Patterned media slurries

**ULTRA-SOL®**

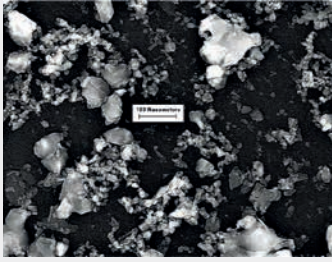
The ULTRA-SOL® patterned media slurries have been formulated to provide aggressive removal rates on different types of metal. They perform well in processes where multiple alloys must be polished within the same layer simultaneously. They have been used successfully on materials containing copper, iron, tungsten, cobalt, nickel, and aluminum oxide. The slurries provide both fine finish and good removal rates for both the metallic alloy and alumina overcoat, while minimizing detrimental effects of corrosion.

The ULTRA-SOL® patterned media slurries provide high yields, good planarity, and high Ti removal rates. They also minimize oxide erosion, plug recesses, and dishing. ULTRA-SOL® patterned media slurries are highly selective to oxide (20:1) while providing even removal on Tin and titanium.

**Applications**

Copper, iron, tungsten, cobalt, nickel, aluminum oxide

Order code	Base material	Particle size [µm]	pH	Solids content [%]
ULTRA-SOL® A12	Aluminum oxide	0,24	4,0	15,3
ULTRA-SOL® A15	Aluminum oxide	0,24	5,6	15,3
ULTRA-SOL® A18	Aluminum oxide	0,24	4,0	16,3
ULTRA-SOL® A19	Aluminum oxide	0,24	4,0	11,2
ULTRA-SOL® A20	Aluminum oxide	0,24	4,1	16,3
ULTRA-SOL® KJ65B	Aluminum oxide	0,24	5,6	15,0



ULTRA-SOL® patterned media slurries feature aggressive removal rates and high planarization efficiency.



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 datasheets, 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 ..... These slurries are designed as ready-to-use products directly from the container. If the slurry is to be used in a diluted form, use only high-quality deionized water (> 18 Mohm) 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**

sales@pureon.com  
 www.pureon.com

