

# EMINESS

TECHNOLOGIES, INC.

## ULTRA-SOL ALUMINA SLURRIES

### *Alloy Advantage*

Custom alumina solutions originally designed for the disk drive industry, now commonly used as final polish. Provides low selectivity and excellent finish on metals.

Description	Functional Particle Size*	Solids (by weight)	pH	Comments
Ultra-Sol™ KJ65B	0.24μ	15%	5.6	
Ultra-Sol™ A12	0.24μ	15%	4.0	
Ultra-Sol™ A15	0.24μ	15%	5.6	
Ultra-Sol™ A18	0.24μ	16%	4.0	

These values represent typical measurements. Actual values may vary in a range defined by product specifications.

\*Functional Particle Size

### *Alox GE/A*

Gamma alumina particles which remain agglomerated, these suspensions are considerably more aggressive than the Alox CR products.

Description	Functional Particle Size*	Solids (by weight)	pH	Comments
Ultra-Sol™ R5-PS	1.0μ	15%	8.0	Alpha alumina

### *Alox CR*

Gamma alumina particles which have been deagglomerated, these slurries were designed for stock or final polish in hi-grade optical applications.

Description	Functional Particle Size*	Solids (by weight)	pH	Comments
Ultra-Sol™ M5-PS	0.8μ	15%	8.5	De-agglomerated alpha alumina
Ultra-Sol™ M5-PSLV	0.8μ	15%	8.5	De-agglomerated alpha alumina, reduced viscosity variant.
Ultra-Sol™ M15-PS	0.3μ	15%	8.0	De-agglomerated alpha alumina
Ultra-Sol™ M30-PS	0.1μ	15%	8.5	De-agglomerated alpha alumina
Ultra-Sol™ M100-PS	0.05μ	10%	8.5	De-agglomerated gamma alumina

These values represent typical measurements. Actual values may vary in a range defined by product specifications.

**\*Functional Particle Size**  
**High Shine**

Utilizing a proprietary mixture of alumina particles and other additives, these suspensions offers superior removal rate and surface finish.

Description	Functional Particle Size*	Solids (by weight)	pH	Comments
Ultra-Sol™ 200A	0.1μ	20%	4.0	
Ultra-Sol™ 201A/280	0.05μ	22%	4.0	
Ultra-Sol™ 201A/140	0.14μ	20%	3.5	
Ultra-Sol™ 201A/60	0.06μ	24%	4.0	

These values represent typical measurements. Actual values may vary in a range defined by product specifications.

**\*Functional Particle Size**  
**Ultra Grit**

Featuring flat, plate-like alpha particles, these aggressive suspensions are ideal for bulk polishing and lapping of hi-tech materials.

Description	Functional Particle Size*	Solids (by weight)	pH	Comments
Ultra-Sol™ L2PS	2.0μ	20%	8.2	Custom design for fiber optics
Ultra-Sol™ L3PS, L5PS, L9PS, L15PS	3μ 5μ 9μ 15μ	15%	7.1	Larger particles (>15μ) also available

These values represent typical measurements. Actual values may vary in a range defined by product specifications.

**\*Functional Particle Size**



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