

PMP Precious Metals Polish

Description

Description: Non-Abrasive Precious Metals Polish for Platinum (Pt), Gold (Au) and Silver (Ag) and other precious metals where chemical planarization is desired over the more aggressive chemical-mechanical CMP. Used with the IC1000 polishing pad, single step or second step where super finish is desired with little or no surface damage.

Application:

- Single step application where Pt, Au or Ag metal fill patterns require superior finish in the < 2 Å range. Polish time depend on process parameters, incoming product roughness barrier materials.
- Also used as a final step superior finish polish.
- See also the Ultra-Sol A15 colloidal alumina slurry CMP polishes for first step Copper (Cu) or Alumina (Al) overlays, where high removal rate and aggressive CMP is desired. and the Ultra-Sol S13, colloidal silica, Cu second step finish polish.
- Recommended polishing pad Rodel IC1000 or IC1000/SIV stacked or IC1000/SP or IC1010/SP pad

Advantages:

- Excellent Surface Finish
- Reproducible polishing results and easy to use
- Suppresses grain highlighting
- No pitting or corrosion

Physical Characteristics

SF-PMP	
Mean Particle Size	N/A
pH	3.9
Solids Content (By Weight)	6.4%

Handling

Ultra-Sol PMP is a safe aqueous based slurry. However, to avoid skin or eye irritation, handlers should use personal protective equipment including, rubber gloves, protective clothing, and eye protection. Follow all MSDS and label precautions and use appropriate industrial safety and hygiene practices when handling or using this product.

It is recommended that Ultra-Sol PMP be used in pure form. Due to the product unique formulation, it is further recommended that the user should not attempt adjustment of the pH.

Storage

Storage tanks and distribution piping should be constructed of engineered plastic of polyethylene, polypropylene or fluoropolymer. Materials such as aluminum, copper, brass and PVC should be avoided.

Standard packaging includes five (5) gallon pails and fifty-five (55) gallon drums. One (1) gallon bottles are also available upon request. All containers are High Density Polyethylene (HDPE). Maintain storage in a temperature-controlled environment, between 40 and 100°F, avoiding prolonged exposure at either extreme.

For uses on any other materials or substrates, please contact your EMINESS Technologies, Inc. Applications Engineer.

Disposal

Dispose in accordance with all applicable regulations.

If you have any questions or comments, please don't hesitate to call your EMINESS Technologies, Inc. Applications Engineer.

About Eminess

For over twenty years Eminess has been providing quality, precision polishing consumables to a vast array of industries. In addition to polishing slurries, Eminess also manufactures a variety of complimentary products, including polishing pads, waxless fixturing, carrier films, and pad conditioners.



We have invested heavily in the tools and infrastructure necessary to provide superior support to our customers, and guarantee quality products through strict observance of ISO 9001 standards. Our knowledgeable support and customer service staff stands ready to assist with polishing projects of any size. For superior products, support, and results, think Eminess!

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