

AmberCut™ ASL 919

Shield CMP Slurries

Description

AmberCut ASL 919 slurries are high precision CMP slurries specifically formulated for the polishing of the shield layers on read-write head wafers. AmberCut ASL 919 utilizes Saint Gobain's patented polycrystalline alumina abrasive particles which greatly enhance planarization rates and efficiency compared to colloidal silica and other competitive abrasives. AmberCut ASL 919 slurries can be chemically tuned for specific layer requirements to provide excellent control of device topography. It is also formulated with special lubricants and surfactants which provide excellent surface finish and cleanliness. AmberCut ASL 919 slurries are colloidally stable and will not hard pack.

Features and Benefits

- Provides very high planarization efficiency and removal rates
- Easily cleaned and does not leave films or residues
- Gives excellent uniformity and surface finishes down to 2Å
- Colloidally stable and does not hard pack for ease of use
- Chemically tuneable to give excellent topography control
- Out performs silica slurries

Typical Physical Properties

| | |
|--------------------------|--------------------------------|
| Appearance | milky, white liquid |
| Specific gravity @20°C | 1.01 to 1.04 |
| LBS/gallon | 8.41 to 8.66 |
| pH (concentrate) | 3.2 to 5.5 |
| Alumina abrasive loading | 1% to 5% |
| Average Particle size | 120nm (Distribution available) |

Recommended Process Parameters

AmberCut ASL 919 slurries should be mixed well before using. Most AmberCut ASL 919 slurries should be used as received, no dilution is required. Concentrated slurries can be provided on request. Ask your Saint-Gobain sales representative.

Availability

55 gallon drums, 5 gallon pails, 1 gallon containers



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ISO 9001-2000 Certified

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