

AmberCut™ ASL 941

Coil Layer CMP Slurries

Description

AmberCut ASL 941 slurries are high precision CMP slurries specifically formulated for the polishing of the coil layer on read-write head wafers. AmberCut ASL 941 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 941 slurries can be chemically tuned for specific layer requirements to provide excellent control of device topography. It contains unique oxidative chemistry that is stable and facilitates device planarization. AmberCut ASL 941 is also formulated with special lubricants and surfactants which provide excellent surface finish and cleanability. AmberCut ASL 941 slurries are colloidally stable and will not hard pack.

Features and Benefits

- Provides very high planarization efficiency and removal rates
- Gives excellent uniformity and surface finishes
- Chemically tuneable to give excellent topography control
- Contains unique oxidative chemistry to facilitate planarization
- Colloidally stable and does not hard pack for ease of use
- Easily cleaned and does not leave films or residue

Typical Physical Properties

Appearance	milky, white liquid
Specific gravity @20°C	1.03 to 1.07
LBS/gallon	8.58 to 8.91
pH (concentrate)	3.2 to 5.5
Alumina abrasive loading	2% to 6%
Average Particle size	120nm (Distribution available)

Recommended Process Parameters

AmberCut ASL 941 slurries should be mixed well before using. Most AmberCut ASL 941 slurries should be used as received, no dilution is required. Shelf life is typically 4 to 6 months.

Availability

55 gallon drums, 5 gallon pails, 1 gallon containers



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