

AmberCut™ CK Series

Waterless, Diamond Lapping Slurries

Description

AmberCut CK Series products are ready to use, waterless diamond lapping slurries. They are specifically formulated for the free abrasive bar lapping of computer disk read/write heads and the charging of lapping plates. The AmberCut CK series formula provides enhanced removal rates, impart excellent surface finishes, reduce pole tip recession and eliminate corrosion of exotic alloys. These products do not contain water and are safe for use on GMR heads. They are easily cleaned with conventional polar solvents. AmberCut CK slurries can be custom manufactured with various sizes and carat weights of mono and polycrystalline diamond.

Features and Benefits

- Chemical properties enhance surface finish and removal rates
- Effectively used to charge lapping plates
- Easily removed with polar solvents
- Eliminates corrosion of exotic alloys
- Custom formulated to customer specifications
- Reduces pole tip recession
- Prevents stripe smearing
- Waterless and safe for use on GMR heads

Typical Physical Properties

Appearance	gray liquid
Specific gravity @20°C	0.79
LBS/gallon	6.58
Flash point	>100°F
Diamond type	Mono* or poly crystalline**
Diamond size	0.10µ to 10.0µ
Surface tension (dynes/cm)	28-31

*Part numbers ending in the letter "M" specify monocrystalline diamond.

**Part numbers ending in the letter "F" specify polycrystalline diamond.

Recommended Process Parameters

AmberCut CK Series products are ready to use. Slurries can be made with a variety of different diamond types, sizes and concentrations.

Availability

1 gallon containers and 400ml bottles.



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