

AmberLap™ S600

Abrasive Suspension Agent

Description

AmberLap S600 is a water dispersible, abrasive suspension agent designed for use in the free abrasive lapping of silicon wafers and other ceramic substrates. When used with an AmberCut slurry vehicle, it imparts excellent abrasive suspension for extended periods of time. Slurries that utilize AmberLap S600 exhibit low viscosities and superior shear stability which allows slurry reuse without the loss of abrasive suspension. Such slurries have shown the ability to dramatically reduce process cycle time, while lowering scratch defect rates and improving yields. AmberLap S600 is completely water dispersible and rinsible, and will not leave films or residues.

Features and Benefits

- Imparts excellent abrasive suspension for extended periods of time
- Reduces process cycle time
- Reduces scratch defect rates
- Improves process yields
- Maintains suspension after exposure to high shear
- Slurries exhibit low static viscosities
- Completely water dispersible
- Will not leave films or residues

Typical Physical Properties

Appearance	White powder
pH (2% dispersion)	10.2
Ultimate particle size	250-600Å

Recommended Process Parameters

AmberLap S600 must be used with the correct AmberCut slurry vehicle to work effectively.

AmberLap S600 should be used at a concentration of 0.60 to 1.0%w/w based on total slurry weight. (see detailed blending procedure)

AmberLap S600 must be completely dispersed in deionized water before the addition of AmberCut vehicle.

Availability

40 and 70 lb. containers. Custom packaging available.



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