

AmberCut™ GS Series

Silicon Carbide Lapping Slurries

Description

AmberCut GS series is a water dilutable, lapping slurry specifically formulated for the free abrasive lapping of ferrous metals and other metallic alloys. AmberCut GS series is unique in its ability to suspend and disperse silicon carbide abrasive at low dynamic viscosities. It is easily pumped and handled, but will not hard pack in shipping or storage. AmberCut GS slurries will remain suspended for long periods with little or no agitation. These exceptional suspension properties allow cut rates and surface finishes to remain consistent for extended periods of time. Additionally, its unique formula imparts excellent surface finishes, while inhibiting corrosion of the lapping machine and work area. AmberCut GS series are biodegradable, rinses easily with water and will not leave films or residues.

Features and Benefits

- Ready to use slurry with low dynamic viscosity for ease of handling
- Excels in particle suspension and dispersion at low viscosity
- Rinses easily and will not leave films or residues
- Increased removal rates
- Suspension is not shear sensitive
- Will not hard pack during shipping and storage
- Prevents lapping machine corrosion
- Biodegradable and poses no environmental or health risks

Typical Physical Properties

Appearance	Black or green slurry
Specific gravity @20°C	1.16
LBS/gallon	9.72
pH (Concentrate)	9.40
Viscosity in DI water @ 20°C	128 cp (Brookfield spdl #1 @ 60rpm)
Abrasive sizes	F500 through F1200 grit

Recommended Process Parameters

AmberCut GS Slurries should be mixed well before using. It should be used in the concentrated form--no dilution is required.

Availability

5 and 3 gallon pails, 1 gallon containers

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