

AmberCut™ WS-P3

Biodegradable Wire Slice Vehicle

Description

AmberCut WS-P3 is a ready to use, synthetic, wire slice vehicle specifically designed for the free abrasive cutting of silicon or ceramic materials. It provides superior cut rates and imparts excellent surface finishes with reduced warp and TTV. AmberCut WS-P3 offers superior abrasive suspension at loading rates up to 60%. Slurries blended with AmberCut WS-P3 have low dynamic viscosities, smooth flow properties, are water rinsable and will not leave films or residues. Additionally, AmberCut WS-P3 is biodegradable, non-hazardous and non-toxic, making it an environmentally sound alternative to oil based vehicles.

Features and Benefits

- Provides excellent cut rates and outstanding surface finishes
- Superior abrasive suspension
- Reduced warp and TTV
- Low dynamic viscosity for smooth slurry flow
- Biodegradable and poses no environmental or health risks
- Minimal contamination of parts
- Water rinsability facilitates cleaning
- Provides maximum slurry efficacy

Typical Physical Properties

Appearance	Clear, colorless liquid
Specific gravity @ 20°C	1.10
LBS/gallon	9.17
Conductivity	<10 µS
pH (5% solution)	6.0
Viscosity (Brookfield, @20°C)	24 cps
Freezing Point	<0°C
Flash point	>440°F

Recommended Process Parameters

AmberCut WS-P3 is ready to use and does not require dilution. It is capable of achieving loading rates of up to 0.7:1, abrasive to AmberCut WS-P3. Typical abrasives, up to 30 microns in size, include; Silicon carbide, Diamond, Boron carbide, Aluminum oxide, etc.)

Availability

Bulk, 55 gallon drums, 5 gallon pails, 1 gallon containers



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