

SWAM BLAST® ABRASIVE POWDER CHART

Powder	Average Particle Size	CMI #	Specifications	Nozzle (smallest)	Orifice Plate P/N (starting point)
Aluminum Oxide	12 micron	#50	APPLICATIONS: <i>Intricate Cutting; Hole & Slot Drilling; Surface Preparation; Fine Surface Finishes</i>	.007" round .006"x.020" rectangular	3462-1 (EV/MV)
	17.5 micron	#14 #14W	Tightly meshed to ±1 micron average particle size. Optimum media for performance and repeatability. APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Demarking; Deburring; Wafer Fabrication; Surface Texturing</i>	.007" round .006"x.020" rectangular	3462-1 (EV/MV) 2400-1 (LV/XV)
	25 micron	#37	APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Demarking; Deburring; Wafer Fabrication; Surface Texturing; Fossil Preparation</i>	.011" round .006"x.020" rectangular	3462-1 (EV/MV) 2400-1 (LV/XV)
	27 micron	#17	APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Demarking; Deburring; Wafer Fabrication; Surface Texturing; Fossil Preparation</i>	.011" round .006"x.020" rectangular	3462-1 (EV/MV) 2400-1 (LV/XV)
	27.5 micron	#16 #16W	Tightly meshed to ±1 micron average particle size. Optimum media for performance and repeatability. APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Demarking; Deburring; Wafer Fabrication; Surface Texturing</i>	.011" round .006"x.020" rectangular	3462-1 (EV/MV) 2400-1 (LV/XV)
	240 grit 50 micron	#33	APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Deburring; Wafer Fabrication; Surface Texturing; EDM Recast Removal; Fossil Preparation</i>	.018" round .006"x.040" rectangular	3462-2 (EV/MV) 2400-1 (LV/XV)
	220 grit 63 micron	#220	APPLICATIONS: <i>Cutting; Etching; Hole & Slot Drilling; Deburring; Wafer Fabrication; Surface Texturing; EDM Recast Removal; Fossil Preparation</i>	.018" round .006"x.040" rectangular	3462-2 (EV/MV) 2400-1 (LV/XV)
	120 grit 102 micron	#120	Coarse abrasive material. APPLICATIONS: <i>Rapid Cutting; Heavy Deburring; Surface Preparation; Large Scale Rust Removal; EDM Recast Removal</i>	.032" round	3462-3 (EV/MV) 2400-4 (LV/XV)
	100 grit 122 micron	#100	Extremely coarse abrasive material. APPLICATIONS: <i>Rapid Cutting; Heavy Deburring; Surface Preparation; Large Scale Rust Removal</i>	.032" round	1688-2 (LV/XV)

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Carbo Blast	110 micron	#25	Developed for removing soft, rubbery materials. Warm water soluble. APPLICATIONS: <i>Conformal Coating Removal including Silicon and Parylene from PCB's without causing damage to the solder mask or joints.</i>	.032" round	3462-3 (EV/MV) 2400-4 (LV/XV)
Carbo Blast	160 micron	#25A	For ESD Sensitive Applications including removing soft, rubbery materials. Warm water soluble. APPLICATIONS: <i>Conformal Coating Removal including Silicon and Parylene from PCB's without causing damage to the solder mask or joints.</i>	.032" round	3462-3 (EV/MV) 2400-4 (LV/XV)
Crushed Glass	64 micron	#40	More aggressive than Glass Beads. APPLICATIONS: <i>Light Cleaning; Surface Finishing; Epoxy Removal; Mineral Preparation; Restoration of Artifacts</i>	.018" round	3462-2 (EV/MV) 2400-1 (LV/XV)
Dolomite	44 micron	#30	Less abrasive than Glass Beads, more abrasive than Soda Bicarbonate. APPLICATIONS: <i>Light Cleaning; Epoxy Removal; Fossil Preparation</i>	.026" round .006" x .060" rectangular	3462-2 (EV/MV) 2400-1 (LV/XV)
Glass Beads	44 micron	#39	APPLICATIONS: <i>Mild Cleaning; Light Deburring; Light Surface Finishing; Peening; Polishing; Mineral Preparation</i>	.018" round .006"x.040" rectangular	3462-2 (EV/MV) 2400-1 (LV/XV)
Plastic Blast	160 micron	#45	For light abrasion. APPLICATIONS: <i>Deflashing Plastic Component Leadframes without removing the plating; Deburring Delrin®, Nylon and Teflon®; Conformal Coating Removal; Fossil Preparation</i>	.032" round	3462-32x16 (EV/MV) 2400-1 (LV/XV)
Silicon Carbide	60 micron	#38	Very abrasive material. APPLICATIONS: <i>Cutting; Deburring; Drilling; Texturing; Fossil Preparation; Wafer Fabrication</i>	.018" round	3462-2 (EV/MV) 2400-1 (LV/XV)
Soda Bicarbonate	75 micron	#34	Mild abrasive for minimal surface removal. APPLICATIONS: <i>Conformal Coating Removal; Cleaning; Demarking of Plastic and Gold Lidded Devices; Solder Mask Removal; Deburring Delrin®, Nylon and Teflon®; Fossil Preparation</i>	.026" round	3462-3 (EV/MV) 2400-1 (LV/XV)

- If you require a specific media and particle size, please contact CMI.
- Accessories including funnel, powder scoopers, pail openers, bag cutters and drum dollies are available.

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