

CERAMIC

INDUSTRY

The Exclusive Global Voice of Ceramic
& Glass Business and Manufacturing

2008 CERAMIC COMPONENTS DIRECTORY

Product Locator Codes

- Record your ceramic components selections using the headings and code numbers below, referring to page 2 on the enclosed order form for additional information. The product headings for the 2008 edition have been updated and they also have new code numbers.
- If your ceramic component is not listed, please contact Susan Sutton, editor-in-chief, at (330) 336-4098 or suttons@bnpmedia.com.
- New product headings for the 2008 edition appear in *italics*.

00150	Acceleration Sensor			04250	Preform
00200	Acoustical Product	02200	Brick: Acid Resisting	04300	Cermet Component
00250	Actuator	02250	Basic	04350	Chamber Dome
00300	Aggregate, Insulating	02300	Fireclay	04400	Chip Coil
00350	Air Bag Control Substrate	02350	High-Alumina	04450	Chip Ferrite Bead
00400	Airfoil	02400	Load-Bearing	04500	Chuck
00450	Alumina Component	02450	Shape	04550	Circulator
00500	Aluminum Nitride Component	02500	Silica	04600	Clamp Ring
00550	Aluminum Oxide Component	02550	Burner Barrel Liner	04650	Coaxial Connector
00600	Anode	02600	Bushing:	04700	Coaxial Connector, Microwave
00650	Antenna:	02650	Condenser		Composite:
00700	Chip Dielectric	02700	Cup	04800	Carbon-Carbon
00750	Chip Multilayer	02750	Shoulder	04850	Ceramic Matrix
00800	Dielectric	02800	Transformer	04900	Ceramic Matrix, Continuous Fiber Reinforced
00850	Antenna Strain Insulator	02850	Cam Roller	04950	Ceramic Matrix, Discontinuous Whisker Reinforced
00900	Arch, Furnace Suspended	02900	Capacitor:	05000	Ceramic Matrix, Whisker Reinforced
00950	Attenuator	02950	High Energy Density	05050	Ceramic-Ceramic
01000	Automotive Component	03000	High-Voltage	05100	Ceramic-Metal
01050	Backwall, Suspended	03050	Radio Frequency	05150	Intermetallic
01100	Ball	03100	Carbide Component	05200	Composite Panel
01150	Ball and Seat Check Valve	03150	Carbon Component	05250	Computer Tape Guide
01200	Ball and Seat Check Valve Assembly	03200	Cartridge	05300	Conductor
01250	Ball and Socket Bead	03300	Casting:		Control Component:
01300	Ball Valve Component	03350	Refractory	05400	Hydraulic
01350	Balun	03400	Wear Resistant	05450	Pneumatic
01400	Balun, Chip Multilayer	03450	Catalyst	05500	Controlled Resistivity Component
01450	Bead	03500	Catalytic Combustor	05550	Conveyor Tile
01500	Bead, Fishspine	03550	Catalytic Converter	05600	Cordierite Component
01550	Bearing	03600	Cathode	05650	Cover Plate
01600	Bearing Component	03650	Cathode Assembly:	05700	Crucible:
01650	<i>Bell Jar</i>	03700	Hollow	05750	Assay
01700	Belt	03750	Value-Added	05800	Fused Silica
01750	Beryllia Component	03800	Cathode, Dispenser	05850	Quartz
01800	Bioceramic, Dental		Cellular Telephone Resonator Cavity Standoff	05900	Refractory
01850	Bioceramic, Medical	03900	Ceramic:	05950	Crucible Liner, Disposable
01900	Blank	03950	Armor	06000	Crystal
01950	Bolt	04000	Castable		
02000	Boride Component	04050	Fiber Product		
02050	Boron Carbide Component	04100	High-Temperature		
02100	Boron Nitride Component	04150	Machinable		
		04200	Media		
			Plate		

06050	Custom Component	08600	Splicer	11350	<i>Injection Molding Compound, Zirconia</i>
06100	Cutters and Knife	08650	Filter:		
06150	Cutting Bit	08700	Ceramic Reticulated Foam		
06200	Cutting Tool	08750	Dielectric	11450	Furnace
06250	Cutting Tool Blank	08800	Fixture, Graphite	11500	Microporous
06300	Cylinder	08850	Floor Brick, Kiln	11550	Insulator:
06350	Cylinder Liner Preform	08900	Flue Liner	11600	Band Heater
06400	Cylindrical Component, Custom	08950	Fluid Meter Component	11650	Integrated Passive Component
06450	<i>DC-DC Converter</i>	09000	Forming Die	11700	<i>Internal Core</i>
06500	Dead-Burned Refractory Component	09050	Forming Die, Aluminum	11750	Ion Chamber Envelope
06550	Delay Line, Chip Multilayer	09100	Forsterite Component	11800	Isolator
06600	Dental Component	09150	Foundry Specialties		Kiln:
06650	Dewatering Foil	09200	Fuel Cell Component	11900	Furniture
06700	Die	09250	Fuel Pump Roller	11950	Shelf
06750	Dielectric	09350	Furnace:	12000	Support Beam
06800	Dielectric Resonator	09400	Collar	12050	Tile
06850	Diesel Engine Exhaust Valve	09450	Component	12100	Labware:
06900	Diffusion Furnace Component	09450	Disc	12150	Chemical Resistant
06950	Diode	09500	Pipe Hanger	12200	<i>Fused Quartz</i>
07000	Diode Switch	09550	Roll	12250	Lamp Base
07050	Directional Coupler	09600	Fused Cast Refractory Component	12300	Lapping Plate
07100	Directional Coupler, Chip Multilayer	09650	Fused Silica Brick	12350	Laser Cavity Reflector
07150	Disc:	09700	Fused Silica Component	12400	Laser Component
07200	Valve	09750	Fused Silica Tool	12450	Laser Wave Guide
07250	Discriminator	09800	Gas Distribution Plate	12500	Lift Pin
07300	Divider, Chip Multilayer	09850	Gas Turbine Combustor Liner	12550	Lighting Component
07350	Door Gasket	09900	Gas Turbine Combustor Shroud	12600	Light-Reflecting Component
07400	Door Seal	09950	<i>Gating Component</i>	12650	Lining:
07450	Dummy Semiconductor Wafer	10000	Gauge	12700	Abrasion-Resistant
07500	Duplexer	10050	Gauge Block	12750	Furnace
07550	Electric Fuel Pump Component	10100	Glass-Ceramic Component	12800	Protective
07600	Electrical Insulation	10150	Graphite Component	12850	Liquid Level Sensor Component
07650	Electrical Porcelain Insulator	10200	Grinding Media	12900	Low-Temperature Cofired Ceramic (LTCC) Component
07700	Electroconductive Component	10250	Halogen Light Contact System	12950	Low-Voltage Component
07750	Electrode	10300	Hearth Plate	13000	Machinable Ceramic
07800	Electrode Collar	10350	Heat Exchanger	13050	Machinable Glass Ceramic
07850	Electrodischarged Machinable (EDM) Component	10400	Heat Shielding Component	13100	Magnesia Partially Stabilized Zirconia Component
07900	Electronic Circuitry Substrate	10450	Heat Sink		Magnesite Component
07950	EMI Filter	10500	Heat Treating Furnace Fan	13150	Magnet:
08000	End Effector	10550	Heating Element	13200	Hard
08050	Engine Component	10600	High-Temperature Ceramics	13250	Rare Earth
08100	<i>Epitaxial System</i>	10650	High-Temperature Fixturing Component	13300	Samarium Cobalt
08150	Erosion Sleeve	10700	High-Temperature Tubing	13350	Soft
08200	Evaporation Boat	10750	High-Voltage Component	13400	Mechanical Pump Seal
08250	Exhaust Gas Damper Seat	10800	Hollow Pair Lead-In	13450	Medical Component
08300	Fastener	10850	Honeycomb	13500	Membrane
08350	Ferrite & Ferromagnetic	10900	Hybrid Circuit	13550	Metal Forming Roll
08400	Ferrite Core	10950	IC Package	13600	Metal Matrix Composite
	Fiber Optic:	11000	Ignition Component	13650	Meter Bearing
08500	Ferrule	11050	Inductor:	13700	Mica Component
08550	Sleeve	11100	Choke	13750	Microchip Capacitor
		11150	Industrial Component	13800	Microchip Capacitor, High-Frequency
		11200	Ingot	13850	Microporous Insulation
		11250	Ingot, Electron Beam Physical Vapor Deposition (EBPVD)	13900	Microwave Absorber
		11300	<i>Injection Molding</i>	14000	Microwave Component

14050	Mill Lining Brick	16850	Radio Frequency/Microwave Window	19800	<i>Wafer Rack</i>
14100	Monofilament Sleeving	16900	Radome	19850	Sensor:
14150	Monofilament Wrap	16950	Rare Earth Magnet	19900	Piezoelectric
14200	Monolithic Component	17000	Rectifier	19950	Ultrasonic
14250	Muffle, Refractory	17050	Rectifier Housing	20000	Sensors/Sensor Module, Pyroelectric Infrared
14300	Mullite Component	17100	Recuperator	20050	Setter
14350	Nitride Component	17150	Refractories:	20100	Setter, Ware
14400	Noise Suppression Component	17200	Alumina	20150	Shaft
14450	Nozzle	17250	Basic	20200	Shelf
14500	Nozzle Assembly	17300	Cordierite	20250	Shelf, Kiln
14550	Nozzle Component	17350	Forehearth	20300	Sialon
14600	Nuclear Waste Container	17400	Glass House	20350	Silicide Component
14650	Nut	17450	Glass Plant		Silicon Carbide:
14700	Open-Celled Foam Component	17500	High-Alumina	20450	Component
14750	Orifice	17550	Honeycomb	20500	Foam Shape
14800	Orthodontic Bracket	17600	Insulating	20550	Specialty Shape
14850	Orthodontic Component	17650	Insulating Firebrick	20600	Silicon Nitride Component
14900	Oxide Product	17700	Mullite	20650	Single Crystal Lead
14950	Paper Processing Element	17750	Preformed		Magnesium Niobate/Leat Titanate (PMN-PT)
15000	Particulate Composite	17800	Reinforcement	20700	Sled
15050	Pellet	17850	Silica	20750	Sleeve
15100	Perlite Brick and Block Insulation	17900	Silicon Carbide	20800	Solar Cell
15150	Photovoltaic Casting Crucible	17950	Zircon	20850	Solar Cell, Silicon
15200	Piezoelectric:	18000	Zirconia	20900	Solid Oxide Fuel Cell Component
15250	Actuator	18050	Refractory Shape	20950	Spacer
15300	Knock Sensor	18100	Reinforcement:	21000	Spark Plug
15350	Sound Component	18150	Fiber	21050	Spark Plug Boot Insulator
15400	Pinion	18200	Particulate/Platelet	21100	Spark Shield
	Pipe:	18250	Whisker	21150	Sphere, Ceramic
15500	Ceramic-Lined	18300	Resistor Carrier for Electronic Assemblies	21200	Sputtering Target
15550	Insulation		Resistor:		Standoff Insulator:
15600	Microtunneling	18400	Solid-State	21300	Heavy-Duty
15650	Slip-Lining	18450	Thick-Film	21350	Light-Duty
15700	Wrap	18500	Resonator:	21400	Steatite Component
15750	Piston	18550	Coaxial	21450	Stone, Baking
15800	Pitch-Bonded Refractory Component	18600	Puck	21500	Strainer Core
15850	Pivot	18650	Ring		Substrate:
15900	Plate:	18700	Riser Tube	21600	Alumina
15950	Element	18750	Rocket Launch System Insulation	21650	Aluminum Nitride
16000	Pusher	18800	Rocket Thrust Chamber	21700	Boron Carbide
16050	Plunger	18850	Rod	21750	Silicon Carbide
16100	Porous Ceramic	18900	Roller	21800	Superconductor, Microwave
16150	Porous Plate & Tube	18950	Sagger	21850	Superconductor Device
16200	Post	19000	Sample Holder	21900	Superconductor Wire
16250	Pouring Cup	19050	Sand Blast Nozzle Liner	21950	Super-Duty Refractory Brick
16300	<i>Power Supply</i>	19100	Screen Tile	22000	Super Tweeter Driver
16350	Power Tube	19150	Seal	22050	Susceptor
16400	Pressure Transducer Component	19200	Seal, Ceramic-to-Metal	22100	Suspension Insulator
16450	Process Crucible	19250	Seal Face	22150	Suspension Insulator, Heavy-Duty
16500	Proppant	19300	Seal Ring, Rotating	22200	Tank Block
16550	Proppant, Sintered Bauxite	19350	Sealing Plates Graphite	22250	Tank Lining, Ceramic
16600	Puck, Ring and Assembly	19400	Seat	22300	Tape
16650	Pump Component	19450	Semiconductor	22350	Tape, Insulating
16700	Pyroelectric		Semiconductor Wafer:	22400	Tar-Bonded Refractory Component
16750	Pyrometric Cone	19550	Carrier	22450	Target
16800	Pyrometric Device	19600	Contact Pin		Textile:
		19650	End Effector	22550	Feed Dog
		19700	Handler Arm		
		19750	Polishing Block		

22600 Guide
 22650 Presser Feet
 22700 Thermal Barrier
 22750 Thermal Core
 22800 Thermal Insulation
 22850 Thermal Protection Component
 22900 **Thermistor:**
 22950 NTC
 23000 PTC
 23050 Thermocouple Protection Tube
 23100 Thick Film Heater
 23150 Thread Guide
 23200 Tile
 23250 Tile Setter
 23300 Titanium Diboride Component
 23350 Tongue-and-Groove Shape
 23400 Tool, Hot Glass
 23450 **Transducer:**
 23500 Piezoelectric
 23550 Ultrasonic
 23600 Transfer Ladle
 23650 Transformer
 23700 Trap
 23750 **Tube:**
 23800 Lamp
 23850 Plasma
 23900 Power
 23950 Pyrometer Protection
 24000 Radiant
 24050 Refractory
 24100 Tile Setter
 24150 Tube Mill Roll
 24200 Tube Seal
 24250 Tube Sheet Boiler Ferrule
Tubing:
 24350 Nuclear
 24400 Thin-Wall
 24450 Tundishe
 24500 *Tungsten Carbide Component*
 24550 Ultrasonic Component
 24600 Vacuum Chuck
 24650 Valve Seat
 24700 Valve Shim
 24750 Valve Stem
Valve:
 24850 Chemical
 24900 Medical
 24950 Varistor
 25000 Vermiculite Brick and Block Insulation
 25050 Wafer, Diffusion Source; Boron Nitride
 25100 Ware Tray
 25150 Washer
 25200 Water Filtration Component
 25250 Wear Pad
 25300 Wear Plate
 25350 Wear-Resistant Component

25400 Weld Location Pin
 25450 Wire Nut
 25500 Xenon Light Switching Spark Gap
 25550 Yttria-Stabilized Zirconia Component
 25600 Yttrium Oxide Component
 25650 YTZP Blank
 25700 Zirconia Component
 25750 Zirconia Oxide Component
 25800 Zirconia-Toughened Alumina Component

PROFESSIONAL SERVICES CATEGORIES

25900 Advanced Ceramics
 25950 Aluminum Oxide Machining
 26000 Assembly
 26050 Assembly, Clean-Room
 26100 Bonding
 26150 Boron Nitride Machining
 26200 Brazing
 26250 Calibration
 26300 Cleaning/Surface Preparation
CNC:
 26400 Milling
 26450 Swiss Screw Machining
 26500 Turning
 26550 Coating
 26600 Consultants
 26650 Contractual
 26700 Curing
 26750 Design
 26800 Die Cutting
 26850 Education
 26900 Engineering, Custom Fabrication
 26950 Environmental
 27000 Feasibility Studies
 27050 Fixturing
 27100 Formulation Development, Ceramic Coatings
 27150 Grindability Testing
 27200 **Grinding:**
 27250 Centerless
 27300 Custom
 27350 Cylindrical
 27400 Fine
 27450 Heat Treating
 27500 Honing
 27550 Honing, Flat
 27600 Injection Molding
 27650 Inspection
 27700 Laboratory Testing
 27750 **Lapping:**
 27800 Flat
 27850 Production
 27900 Lapping and Polishing
 27950 **Lasering:**
 28000 Laser Cutting
 28050 Laser Drilling

28100 Laser Engraving
 28150 Laser Machining
 28200 Laser Marking
 28250 Laser Micromachining
 28300 Laser Scribing
 28350 Laser Welding
 28400 Lead/Cadmium Testing
 28450 Legal, Patent & Trademark
 28500 Machining
 28550 Market Research
 28600 Masking
 28650 Materials Analysis
 28700 Metallization
 28750 Plasma Surface Treatment
 28800 Plating
 28850 Prototyping
 28900 Rapid Prototyping
 28950 Recycling
 29000 Research and Development
 29050 Roller Repair
 29100 Scoring
 29150 Sealing
 29200 Sealing, Ceramic-to-Metal
 29250 Silicon Carbide Machining
 29300 Silicon Nitride Machining
 29350 Stamping
 29400 Standards for Materials
 29450 Tape Casting
 29500 Technology Transfer & Licensing
 29550 Testing
 29600 Tooling
 29650 Tube Grinding
 29700 Tube Polishing
 29750 Tumble Coating
 29800 Ultrasonic Machining
 29850 Warehouse
 29900 Water/Wastewater Analysis
 29950 Waterproofing
 30000 Waterproofing, Tungsten Carbide
 30050 Website