



# 2019 CERAMIC COMPONENTS DIRECTORY

## Product Locator Codes

If your ceramic component is not listed, please contact Susan Sutton, editor-in-chief, at (248) 786-1704 or [suttons@bnpmmedia.com](mailto:suttons@bnpmmedia.com).

### CERAMIC COMPONENTS

00150 Acceleration Sensor  
00200 Acoustical Product  
00250 Actuator  
00300 Aggregate, Insulating  
00350 Air Bag Control Substrate  
00400 Airfoil  
00450 Alumina Component  
00500 Aluminum Nitride Component  
00550 Aluminum Oxide Component  
00600 Anode  
00650 **Antenna:**  
00700 Chip Dielectric  
00750 Chip Multilayer  
00800 Dielectric  
00850 Antenna Strain Insulator  
00900 Arch, Furnace Suspended  
00950 Attenuator  
01000 Automotive Component  
01050 Backwall, Suspended  
01100 Ball  
01150 Ball and Seat Check Valve  
01200 Ball and Seat Check Valve Assembly  
01250 Ball and Socket Bead  
01300 Ball Valve Component  
01350 Balun  
01400 Balun, Chip Multilayer  
01450 Bead  
01500 Bead, Fishspine  
01550 Bearing  
01600 Bearing Component  
01650 Bell Jar  
01700 Belt  
01750 Beryllia Component  
**Bioceramic:**  
01800 Dental  
01850 Medical  
**Bioglass:**  
01870 Dental  
01875 Medical  
01900 Blank  
01950 Bolt  
02000 Boride Component  
02050 Boron Carbide Component  
02100 Boron Nitride Component  
**Brick:**  
02200 Acid-Resisting  
02250 Basic  
02300 Fireclay  
02350 High-Alumina  
02400 Load-Bearing  
02450 Shape  
02500 Silica  
02550 Burner Barrel Liner

02575 Burner Port  
02600 **Bushing:**  
02650 Condenser  
02700 Cup  
02750 Shoulder  
02800 Transformer  
02850 Cam Roller  
02900 **Capacitor:**  
02950 High Energy Density  
03000 High-Voltage  
03050 Radio Frequency  
03100 Carbide Component  
03150 Carbon Component  
03200 Cartridge  
**Casting:**  
03300 Refractory  
03350 Wear-Resistant  
03400 Catalyst  
03450 Catalytic Combustor  
03500 Catalytic Converter  
03550 Cathode  
03600 **Cathode Assembly:**  
03650 Hollow  
03700 Value-Added  
03750 Cathode, Dispenser  
03800 Cellular Telephone Resonator Cavity Standoff  
**Ceramic:**  
03900 Armor  
03925 Armor Tile  
03950 Castable  
04000 Fiber Product  
04010 Flexible  
04020 Foil  
04050 High-Temperature  
04100 Machinable  
04150 Media  
04200 Plate  
04250 Preform  
04300 Cermet Component  
04350 Chamber Dome  
04400 Chip Coil  
04450 Chip Ferrite Bead  
04500 Chuck  
04550 Circulator  
04600 Clamp Ring  
04615 **Coatings:**  
04620 Thermal Barrier  
04630 Environmental Barrier  
04650 Coaxial Connector  
04700 Coaxial Connector, Microwave  
**Composite:**  
04800 Carbon-Carbon  
04810 Ceramic, Environmental Barrier Coating

04820 Ceramic-Ceramic  
04850 Ceramic Matrix  
04900 Ceramic Matrix, Continuous Fiber-Reinforced  
04950 Ceramic Matrix, Discontinuous Whisker-Reinforced  
05000 Ceramic Matrix, Whisker-Reinforced  
05100 Ceramic-Metal  
05150 Intermetallic  
05200 Composite Panel  
05250 Computer Tape Guide  
05300 Conductor  
05350 **Control Component:**  
05400 Hydraulic  
05450 Pneumatic  
05500 Controlled Resistivity Component  
05550 Conveyor Tile  
05600 Cordierite Component  
05620 Core, Investment Casting  
05650 Cover Plate  
05700 **Crucible:**  
05750 Assay  
05800 Fused Silica  
05850 Quartz  
05900 Refractory  
05950 Crucible Liner, Disposable  
06000 Crystal  
06050 Custom Component  
06100 Cutters and Knife  
06150 Cutting Bit  
06200 Cutting Tool  
06250 Cutting Tool Blank  
06300 Cylinder  
06350 Cylinder Liner Preform  
06400 Cylindrical Component, Custom  
06450 DC-DC Converter  
06500 Dead-Burned Refractory Component  
06550 Delay Line, Chip Multilayer  
06600 Dental Component  
06610 **Design Tools:**  
06620 Impedence Library  
06630 S-Parameter Software  
06640 Simulation Software  
06650 Dewatering Foil  
06700 Die  
06750 Dielectric  
06800 Dielectric Resonator  
06850 Diesel Engine Exhaust Valve  
06900 Diffusion Furnace Component  
06950 Diode  
07000 Diode Switch

07050	Directional Coupler	09750	Fused Silica Tool	12250	Lamp Base
07100	Directional Coupler, Chip Multilayer	09800	Gas Distribution Plate	12300	Lapping Plate
07150	<b>Disc:</b>	09850	Gas Turbine Combustor Liner	12350	Laser Cavity Reflector
07200	Valve	09900	Gas Turbine Combustor Shroud	12400	Laser Component
07250	Discriminator	09950	Gating Component	12450	Laser Wave Guide
07300	Divider, Chip Multilayer	10000	Gauge	12500	Lift Pin
07350	Door Gasket	10050	Gauge Block	12550	Lighting Component
07400	Door Seal	10055	<b>Glass:</b>	12600	Light-Reflecting Component
07450	Dummy Semiconductor Wafer	10060	Borosilicate	12650	<b>Lining:</b>
07500	Duplexer	10065	Rod	12700	Abrasion-Resistant
07550	Electric Fuel Pump Component	10070	Technical	12750	Furnace
07600	Electrical Insulation	10100	Glass-Ceramic Component	12800	Protective
07650	Electrical Porcelain Insulator	10150	Graphite Component	12850	Liquid Level Sensor Component
07700	Electroconductive Component	10200	Grinding Media	12900	Low-Temperature Cofired Ceramic (LTCC) Component
07750	Electrode	10250	Halogen Light Contact System	12950	Low-Voltage Component
07800	Electrode Collar	10300	Hearth Plate	13000	Machinable Ceramic
07850	Electrodischarged Machinable (EDM) Component	10350	Heat Exchanger	13050	Machinable Glass Ceramic
07900	Electronic Circuitry Substrate	10400	Heat Shielding Component	13100	Magnesia Partially Stabilized Zirconia Component
07950	EMI Filter	10450	Heat Sink	13150	Magnesite Component
08000	End Effector	10500	Heat Treating Furnace Fan	13200	<b>Magnet:</b>
08050	Engine Component	10550	Heating Element	13250	Hard
08100	Epitaxial System	10600	High-Temperature Ceramics	13300	Rare Earth
08150	Erosion Sleeve	10650	High-Temperature Fixturing Component	13350	Samarium Cobalt
08200	Evaporation Boat	10700	High-Temperature Tubing	13400	Soft
08250	Exhaust Gas Damper Seat	10750	High-Voltage Component	13450	Mechanical Pump Seal
08300	Fastener	10800	Hollow Pair Lead-In	13500	Medical Component
08350	Ferrite & Ferromagnetic	10850	Honeycomb	13550	Membrane
08400	Ferrite Core	10900	Hybrid Circuit	13570	Battery
	<b>Fiber Optic:</b>	10950	IC Package	13600	Metal Forming Roll
08500	Ferrule	11000	Ignition Component	13650	Metal Matrix Composite
08550	Sleeve	11050	<b>Inductor:</b>	13700	Meter Bearing
08600	Splicer	11100	Choke	13750	Mica Component
08650	<b>Filter:</b>	11150	Industrial Component	13800	Microchip Capacitor
08700	Ceramic Reticulated Foam	11200	Ingot	13850	Microchip Capacitor, High-Frequency
08750	Dielectric	11250	Ingot, Electron Beam Physical Vapor Deposition (EBPVD)	13900	Microporous Insulation
08800	Fixture, Graphite	11300	Injection Molding	13950	Microwave Absorber
08850	Floor Brick, Kiln	11350	Injection Molding Compound, Zirconia	14000	Microwave Component
08900	Flue Liner		<b>Insulation:</b>	14050	Mill Lining Brick
08950	Fluid Meter Component	11440	Custom	14100	Monofilament Sleeving
09000	Forming Die	11450	Furnace	14150	Monofilament Wrap
09050	Forming Die, Aluminum	11500	Microporous	14200	Monolithic Component
09100	Forsterite Component	11510	Thermal	14250	Muffle, Refractory
09150	Foundry Specialties	11550	<b>Insulator:</b>	14300	Mullite Component
09175	<b>Fuel Cell:</b>	11600	Band Heater	14350	Nitride Component
09200	Component	11650	Integrated Passive Component	14400	Noise Suppression Component
09225	Insulation			14450	Nozzle
09250	Fuel Pump Roller	11700	Internal Core	14500	Nozzle Assembly
	<b>Furnace:</b>	11750	Ion Chamber Envelope	14550	Nozzle Component
09350	Collar	11800	Isolator	14600	Nuclear Waste Container
09400	Component		<b>Kiln:</b>	14650	Nut
09450	Disc	11900	Furniture	14700	Open-Celled Foam Component
09500	Pipe Hanger	11950	Shelf	14720	Optical Components
09550	Roll	12000	Support Beam	14750	Orifice
09600	Fused Cast Refractory Component	12050	Tile	14800	Orthodontic Bracket
09650	Fused Silica Brick	12100	<b>Labware:</b>	14850	Orthodontic Component
09700	Fused Silica Component	12150	Chemical Resistant	14900	Oxide Product
		12200	Fused Quartz	14950	Paper Processing Element

15000	Particulate Composite	17450	Glass Plant	20300	Sialon
15050	Pellet	17500	High-Alumina	20350	Silicic Component
15100	Perlite Brick and Block Insulation	17550	Honeycomb		<b>Silicon Carbide:</b>
15150	Photovoltaic Casting Crucible	17600	Insulating	20450	Component
15200	<b>Piezoelectric:</b>	17650	Insulating Firebrick	20500	Foam Shape
15250	Actuator	17700	Mullite	20550	Specialty Shape
15275	Energy Harvesting	17750	Preformed	20600	Silicon Nitride Component
15300	Knock Sensor	17800	Reinforcement	20650	Single Crystal Lead Magnesium Niobate/Lead Titanate (PMN-PT)
15350	Sound Component	17850	Silica		
15400	Pinion	17900	Silicon Carbide	20700	Sled
	<b>Pipe:</b>	17950	Zircon	20750	Sleeve
15500	Ceramic-Lined	18000	Zirconia	20800	Solar Cell
15550	Insulation	18050	Refractory Shape	20850	Solar Cell, Silicon
15600	Microtunneling	18100	<b>Reinforcement:</b>	20900	Solid Oxide Fuel Cell Component
15650	Slip-Lining	18150	Fiber		
15700	Wrap	18200	Particulate/Platelet	20950	Spacer
15750	Piston	18250	Whisker	21000	Spark Plug
15800	Pitch-Bonded Refractory Component	18300	Resistor Carrier for Electronic Assemblies	21050	Spark Plug Boot Insulator
			<b>Resistor:</b>	21100	Spark Shield
15850	Pivot	18400	Solid-State	21150	Sphere, Ceramic
15900	<b>Plate:</b>	18450	Thick-Film	21200	Sputtering Target
15950	Element	18500	<b>Resonator:</b>		<b>Standoff Insulator:</b>
16000	Pusher	18550	Coaxial	21300	Heavy-Duty
16050	Plunger	18600	Puck	21350	Light-Duty
16100	Porous Ceramic	18650	Ring	21400	Steatite Component
16150	Porous Plate & Tube	18700	Riser Tube	21450	Stone, Baking
16200	Post	18750	Rocket Launch System Insulation	21500	Strainer Core
16250	Pouring Cup				<b>Substrate:</b>
16300	Power Supply	18800	Rocket Thrust Chamber	21600	Alumina
16350	Power Tube	18850	<b>Rod:</b>	21650	Aluminum Nitride
16400	Pressure Transducer Component	18870	Quartz	21700	Boron Carbide
16450	Process Crucible	18900	Roller	21710	Cryogenic
16500	Proppant	18950	Sagger	21720	Heater
16550	Proppant, Sintered Bauxite	19000	Sample Holder	21750	Silicon Carbide
16600	Puck, Ring and Assembly	19050	Sand Blast Nozzle Liner	21760	Superconductor
16650	Pump Component	19070	Sapphire Components	21770	Zirconia
16700	Pyroelectric	19100	Screen Tile	21800	Superconductor, Microwave
16750	Pyrometric Cone	19150	Seal	21850	Superconductor Device
16800	Pyrometric Device	19200	Seal, Ceramic-to-Metal	21900	Superconductor Wire
16805	<b>Quartz and Quartzware:</b>	19250	Seal Face	21950	Super-Duty Refractory Brick
16810	Beaker	19300	Seal Ring, Rotating	22000	Super Tweeter Driver
16815	Flask	19350	Sealing Plates Graphite	22050	Susceptor
16820	Labware	19400	Seat	22100	Suspension Insulator
16825	Petrie Dish	19450	Semiconductor	22150	Suspension Insulator, Heavy- Duty
16830	Rod		<b>Semiconductor Wafer:</b>		
16835	Sheet	19550	Carrier	22200	Tank Block
16840	Test Tube	19600	Contact Pin	22250	Tank Lining, Ceramic
16845	Tube	19650	End Effector	22300	Tape
16850	Radio Frequency/Microwave Window	19700	Handler Arm	22350	Tape, Insulating
		19750	Polishing Block	22400	Tar-Bonded Refractory Component
16900	Radome	19800	Wafer Rack		
16950	Rare Earth Magnet	19850	<b>Sensor:</b>	22450	Target
17000	Rectifier	19900	Piezoelectric		<b>Terminal:</b>
17050	Rectifier Housing	19950	Ultrasonic	22470	Ceramic
17100	Recuperator	20000	Sensors/Sensor Module, Pyroelectric Infrared		<b>Textile:</b>
17150	<b>Refractories:</b>			22550	Feed Dog
17200	Alumina	20050	Setter	22600	Guide
17250	Basic	20100	Setter, Ware	22650	Presser Feet
17300	Cordierite	20150	Shaft	22700	Thermal Barrier
17350	Forehearth	20160	Sheet, Flexible Ceramic	22750	Thermal Core
17400	Glass House	20200	Shelf	22800	Thermal Insulation
		20250	Shelf, Kiln		

22820 Thermal Management System  
22850 Thermal Protection Component  
22900 **Thermistor:**  
22950 NTC  
23000 PTC  
23025 Thermocouple Block  
23050 Thermocouple Protection Tube  
23100 Thick Film Heater  
23125 Thin Film  
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  
23860 Porous  
23900 Power  
23950 Pyrometer Protection  
23970 Quartz  
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 Tundish  
24500 Tungsten Carbide Component  
24550 Ultrasonic Component  
24600 Vacuum Chuck  
**Valve:**  
24620 Chemical  
24630 Medical  
24650 Valve Seat  
24700 Valve Shim  
24750 Valve Stem  
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

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## PROFESSIONAL SERVICES

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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  
26975 Extrusion  
27000 Feasibility Studies  
27050 Fixturing  
27100 Formulation Development, Ceramic Coatings  
27120 Glassblowing, Technical  
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  
28730 Packaging, Ceramic  
28750 Plasma Surface Treatment  
28800 Plating  
28850 Prototyping  
28860 Quartz Engineering, Custom  
28870 Quartz Fabrication, Custom  
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  
29325 Spray Drying, Granulation  
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 Wearproofing  
30000 Wearproofing, Tungsten Carbide  
30050 Website

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## SUPPORTING EQUIPMENT AND SUPPLIES

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### Machining/Finishing

31100 Abrasive  
31150 Blade  
31200 Bore Finishing Machine  
31250 CBN Bore Finishing Tool  
31300 CNC Machining, Vision-Assisted  
31350 Ceramic Machining Equipment  
31400 Coating Equipment  
31450 CVD Coating Equipment  
31500 Deburring, Deflashing

31550 **Diamond:**  
31600 Bore Finishing Tool  
31650 Boring Tool  
31700 Coating  
31750 Core Drill  
31800 Disc  
31850 Dressing Roll, Block, Saw  
31900 Drill  
31950 Hand Pad  
32000 Hone  
32050 Mandrel  
32100 PCD Tooling  
32150 Saw Blade  
32200 Tool  
32250 Dicing Machine  
32300 Dressing Tool, Diamond  
32350 Drill, Core  
32400 Electroplating Equipment  
32450 Felt, Polishing  
32500 **Grinding:**  
32550 Centerless  
32600 Creep Feed  
32650 Cylindrical  
32700 Finished Product  
32750 Lapping  
32800 Polishing  
32850 Grinding Fluid  
32900 Grinding Machine  
32950 Grinding Wheel  
33000 Lapping & Polishing  
Equipment  
33050 Mandrel, Diamond  
33100 Mill, CNC  
33150 Polishing  
33200 Polishing Powder  
33250 PVD Equipment  
33300 Rapid Prototyping Equipment  
33350 Saw  
33400 Scriber, Diamond  
33450 Scriber, Laser  
33500 Slicing Machine  
33550 Tape Casting Machine  
33600 Thermal Spray Equipment  
33650 Vibratory Finishing  
Equipment  
33700 Waterjet Cutting System

**Firing/Drying**

33800 Burner  
33850 Combustion System  
33900 Cone, Pyrometric  
33950 Cone Plaque  
34000 Controller  
34050 Data Acquisition System  
34100 Dryer  
34150 Electric Heating Element  
34200 Exchanger, Heat  
34250 Furnace  
34300 Gas, Industrial  
34350 Gas Delivery System,  
Industrial  
34400 Heating Element  
34450 Humidifier

34500 Ignition System, Burner  
34550 Kiln  
34600 Microwave System  
34650 Oven  
34700 Oxy Fuel System  
34750 Regulator, Air  
34800 Regulator, Pressure  
34850 Temperature Control Ring  
34900 Thermal Inspection  
34950 Thermocouple  
35000 Thermocouple Wire  
35050 Valve

**Refractories**

35150 Anchor, Refractory  
35200 Brick  
35250 Fastener, Insulation  
35300 Floor Brick, Kiln  
35350 Flue Lining  
35400 Insulation  
35450 Kiln Furniture  
35500 Kiln Shelf  
35550 Lining, Furnace  
35600 Monolithic  
35650 Mortar, Insulating  
35700 Post  
35750 Pyrometric Cone  
35800 Pyrometric Device  
35850 **Refractories:**  
35900 Alumina  
35950 Basic  
36000 Castable  
36050 Coatings  
36100 Cordierite  
36150 Fiber  
36200 Fiber Module  
36250 Forehearth  
36300 Glass House  
36350 Glass Plant  
36400 Gunning  
36450 High-Alumina  
36500 Honeycomb  
36550 Insulating  
36600 Insulating Firebrick  
36650 Mortar  
36700 Mullite  
36750 Plastic  
36800 Preformed  
36850 Reinforcement  
36900 Repair  
36950 Silica  
37000 Silicon Carbide  
37050 Testing  
37100 Refractory Lining  
37150 Sagger  
37200 Setter  
37250 Shelf, Kiln  
37300 Super-Duty Refractory Brick

**Instrumentation/Lab Equipment**

37400 Balance  
37450 Bend Test Equipment  
37500 Chemisorption Analyzer

37550 Color Measurement  
Equipment  
37600 Density Analyzer  
37650 Differential Scanning  
Calorimetry  
37700 Differential Thermal Analysis  
Equipment  
37750 Dilatometer  
37800 Dimension Measurement  
Instrumentation  
37850 Electroacoustic Particle  
Measurement  
37900 Hardness Tester, Ceramic  
37950 Image Analysis  
Equipment/Instrumentation  
38000 Infrared Spectroscopy  
Instrumentation  
38050 **Instrumentation:**  
38100 Electronic Measuring & Testing  
38150 Fuel Efficiency  
38200 Level Monitoring  
38250 Oxygen Monitoring  
38300 Thermogravimeter  
38350 X-Ray Diffraction  
38400 Magnetic Resonance  
Imaging Instrumentation  
38450 Mechanical Testing  
Equipment, Ceramic  
38500 Microstructural Analysis  
Equipment And Supplies  
38550 Moisture Testing Equipment  
38600 Neutron Activation Analysis  
Instrumentation  
38650 Nondestructive Testing  
Equipment  
38700 Optical Properties  
Measurement  
Instrumentation  
38750 Particle Shape Analyzer  
38800 Particle Size Analyzer  
38850 Ph Meter  
38900 Photometric Measurement  
Instrumentation  
38950 Pore Size Distribution  
Analyzer  
39000 Porosimetry Analyzer  
39050 Pyrometer  
39100 Quality Control  
Instrumentation/System  
39150 Radiographic NDT  
Equipment And Supplies,  
Ceramic  
39200 Resonant Inspection  
Equipment  
39250 Spectroscopy  
Instrumentation  
39300 Surface Area Analyzer  
39350 Temperature Variation  
Detection  
39400 Tension/Compression  
Testing Equipment, Ceramic  
39450 Testing Equipment  
39500 Thermal Analysis

39550 Thermal Conductivity Test  
Equipment

39600 Thermal Diffusivity Test  
Equipment

39650 Thermomechanical Analysis  
Instrumentation

39700 Ultrasonic NDT Equipment,  
Ceramic

39750 Visual Inspection  
Instrumentation

39800 **X-Ray Equipment:**

39850 Diffraction

39900 Microfocus

39950 Zeta Potential Measurement

40000 Zeta Potential /  
Electroacoustic  
Measurement