

1	CERAMIC COMPOSITIONS	25	....Halogen containing
2	..Devitrified glass-ceramics	26	....Zinc containing
3	..Halogen containing crystalline phase (e.g., fluormica, etc.)	27	..Glass batch forming compositions (i.e., glass batch compositions)
4	..Silica containing crystalline phase (e.g., stuffed quartz, cristobalite, etc.)	28	...Slag containing
5	..Binary, ternary, quaternary, etc., metal silicate crystalline phase (e.g., mullite, diopside, sphene, plagioclase, slagcerams free of alumina, etc.)	29	...Pellet or agglomerate containing
6	...Alkali metal aluminosilicate crystalline phase	30	...Halogen containing
7	....Lithium aluminosilicate (e.g., spodumeme, eucryptite, petalite, etc.)	31	...Uncombined silica containing (e.g., sand)
8	...Divalent metal oxide aluminosilicate crystalline phase (e.g., anorthite, slagcerams, etc.)	32	..Glass and material other than glass (e.g., crystal glass, opal glass, etc.)
9	....Magnesium aluminosilicate (e.g., cordierite, etc.)	33	..Beads
10	..Nonsilica and nonsilicate crystalline phase (e.g., spinel, barium titanate, etc.)	34	..Reflective
11	..Glass compositions, compositions containing glass other than those wherein glass is a bonding agent, or glass batch forming compositions	35	..Fibers
12	..Made by gel route	36	..Mineral fibers (e.g., slag wool, rock wool, mineral wool, etc.)
13	..Radiation color change responsive	37	...Optical fibers
14	..Enamels, glazes, or fusion seals (e.g., raw, fritted, or calcined ingredients)	38	...Titanium or zirconium containing
15	...Fusion seals (frit plus material other than glass)	39	..Pore-forming
16	...Plural diverse frits	40	..Nonoxide glasses (e.g., fluoride glasses, etc.)
17	...Frit plus material other than glass (e.g., color, opacifier, mill additions, etc.)	41	..Nonsilicate oxide glasses
18	....Titanium or zirconium compound as other material	42	...Germanium containing
19	....Free metal as other material	43	...Halogen containing
20	....With vehicle or suspending agent (i.e., slip)	44	....Fluorine and phosphorus containing
21	...Chemically specified frit compositions	45	...Phosphorus containing
22	....Lead containing	46	....And titanium, zirconium, vanadium, tungsten, or molybdenum
23	....And titanium or zirconium	47	....And boron
24	....Phosphorous containing	48	....And aluminum or beryllium
		49	...Boron containing
		50	....And yttrium or rare earth (i.e., elements with atomic numbers 39, 57-71, or 89+)
		51	....And zirconium, titanium, tantalum, or niobium
		52	....And aluminum or beryllium
		53	..Silica containing
		54	...More than 90 percent by weight silica
		55	...40 percent - 90 percent by weight silica
		56	....And halogen or nitrogen
		57	.....Fluorine
		58	.....And boron
		59	.....And aluminum

60	....And lead	93	..Plural carbides (i.e., carbides of plural metals) containing
61	.....And boron	94	.Refractory
62	.....And aluminum	95.1	..Fiber or fiber containing
63	....And phosphorus, niobium, or tantalum	95.2	...Composites (continuous matrix with dispersed fiber phase)
64	....And yttrium or rare earth (i.e., elements with atomic numbers 39 or 57-71)	95.3	...Whisker containing
65	....And boron	96.1	..Boride, silicide, nitride, oxynitride, carbonitride, or oxycarbonitride containing
66	.....And aluminum	96.2	...From organometallic precursor
67	.....And zinc or zirconium	96.3	...Boride or silicide containing
68	....And aluminum or iron compound	96.4	...Boron nitride containing
69	....And divalent metal oxide (e.g., oxides of zinc, cadmium, beryllium, alkaline earth metal, magnesium, etc.)	96.5	...Silicon oxynitride, silicon carbonitride, or silicon oxycarbonitride containing (i.e., SiAOBNC, SiACBNC, or SiAOBCcND)
70	.....Calcium oxide containing	97.1	...Silicon nitride containing (Si ₃ N ₄)
71	.....And chromium, nickel, or cobalt	97.2	...With trivalent metal compound (e.g., yttrium, rare earth, or aluminum compound, etc.)
72	....And divalent metal oxide (e.g., oxides of zinc, cadmium, beryllium, alkaline earth metal, magnesium, etc.)	97.3	....With alkaline earth metal compound
73	...Less than 40 percent by weight silica	97.4	...Composites (continuous matrix with dispersed phase)
74	....And lead	98.1	...Silicon aluminum oxynitride containing (i.e., SiAlON compounds)
75	.....And boron	98.2	...With rare earth or alkaline earth metal compound
76	.....And zinc	98.3	...Composites (continuous matrix with dispersed phase)
77	....And boron	98.4	...Aluminum nitride containing (AlN)
78	....And rare earth (i.e., elements with atomic number 39 or 57-71)	98.5	...With alkaline earth metal compound
79	.....And zinc	98.6	...Composites (continuous matrix with dispersed phase)
80	.Pore-forming	99	..Elemental carbon containing
81	..By use of organic combustible material	100	...And aluminum compound (e.g., clay, aluminum oxide, etc.)
82	...Of resin or vegetable origin material	101	...And alkaline earth metal or magnesium compound (e.g., dolomite, magnesium oxide, etc.)
83	....Of cellulosic material	102	..Zirconium compound containing
84	..By gas blowing, foaming agent, or in situ reactive gas generation	103	...Zirconium oxide
85	..By volatilizing or heat expansion of water or other noncombustible material	104	....And alkaline earth metal or magnesium compound
86	.Synthetic precious stones (e.g., single crystals, etc.)	105	....And aluminum compound (e.g., clay, aluminum oxide, etc.)
87	.Carbide or oxycarbide containing	106	...Zirconium silicate
88	..Silicon carbide		
89	...And aluminum compound		
90	...And carbonaceous material		
91	...And different carbide		
92	...And boride, silicide, nitride, or oxynitride		

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| 107 |And aluminum compound (e.g., clay, aluminum oxide, etc.) | 141 | .Clay containing (e.g., porcelain, earthenware, etc.) |
| 108 | ..Magnesium compound containing | 142 | ..And phosphorus (e.g., bone china, etc.) |
| 109 | ...With organic material in starting mixture | 143 | ..And flint or feldspar |
| 110 |And iron or chromium compound | 144 | ...Kaolin (e.g., ball clay, fire clay, etc.) containing |
| 111 | ...And phosphorus compound | 145 | ..Clay pretreatment |
| 112 | ...And iron compound | 146 | ...Chemical pretreatment |
| 113 |Dolomite containing | 147 |Using alkaline compound treating agent |
| 114 |And chromium compound | 148 |Using organic substance as treating agent |
| 115 |Fused cast or fused material containing | 149 | ...Water pretreatment |
| 116 |Chemical binder containing | 150 | ...Heat pretreatment |
| 117 | ..And chromium compound | 151 | .Fluorine containing |
| 118 | ..And aluminum compound | 152 | .Yttrium, lanthanide, actinide, or transactinide containing (i.e., atomic numbers 39 or 57-71 or 89+) |
| 119 | ...Aluminum compound other than clay | 153 | .Aluminum compound containing |
| 120 |Spinel or other aluminate | 154 | .Silicon compound containing |
| 121 | ...Less than 90 percent by weight magnesium compound | 155 | .Composed of waste material |
| 122 | ..And silicon compound | | |
| 123 | ..Alkaline earth metal compound containing | | |
| 124 | ...Hydraulic cement containing | | |
| 125 | ...And aluminum compound | | |
| 126 | ..Trivalent metal compound (e.g., iron oxide, chromium oxide, trivalent rare earth oxide, etc.) containing | | |
| 127 | ...Aluminum compound (e.g., clay, aluminium oxide, etc.) | | |
| 128 |And silicon compound other than clay | | |
| 129 |And silica-clay mixtures | | |
| 130 |And clay containing | | |
| 131 |Less than 40 percent by weight clay | | |
| 132 | ..Chromium compound containing | | |
| 133 | ..Silica containing | | |
| 134 | .Titanate, zirconate, stannate, niobate, or tantalate or oxide of titanium, zirconium, tin, niobium, or tantalum containing (e.g., dielectrics, etc.) | | |
| 135 | ..Alkaline earth or magnesium containing | | |
| 136 | ...Titanate containing | | |
| 137 |Barium titanate | | |
| 138 |And divalent metal oxide other than alkaline earth oxide or magnesium oxide | | |
| 139 |And trivalent metal oxide | | |
| 140 | .Elemental sulfur containing | | |

CROSS-REFERENCE ART COLLECTIONS

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| 900 | OPTICAL GLASS (E.G., SILENT ON REFRACTIVE INDEX AND/OR ABBE NUMBER) |
| 901 | .Having R.I. at least 1.8 |
| 902 | .Having Abbe number at least 70 |
| 903 | .Having refractive index less than 1.8 and Abbe number less than 70 |
| 904 | .Infrared transmitting or absorbing |
| 905 | .Ultraviolet transmitting or absorbing |
| 906 | .Thorium oxide containing |

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