

Prices listed are per pound

| PRICING – CERAMIC MINERALS / COLORANTS | | | | | | | | |
|--|-----------|--|---------------------|------------------------|------------------------|-------|------|--------|
| Product | Item # | Item Description | 50-950 per Lb price | 1000-1950 per Lb Price | 2000 & UP per Lb Price | 1 Lb | 5 Lb | 10 Lb. |
| Alumina Hydrate, Dense | 30001 | Promotes stability & hardness in glazes. Used in kiln wash & as a wash to keep lids from sticking to pots or pots to shelves | | | | 3.71 | 2.89 | 2.78 |
| Alumina Oxide | 30002 | Responsible for the mattness or brilliance of glazes. Prevents devitrification and adds strength. Insoluble in water and melts at 3550 degrees F. Use of too much alumina can cause a dry appearance | | | | 6.95 | 5.67 | 5.44 |
| Barium Carbonate | 30004 | May promote mattness in low fire glazes and hardness and brilliance in high-fire glazes. TOXIC in raw state; insoluble in water | 3.99 | 3.76 | 3.52 | 6.08 | 4.81 | 4.57 |
| Bentonite, 325 Mesh | 30006 | Very plastic clay; used as a plasticizer in clay; as a suspension agent in glazes. 1-2% may be added to dry mix | 0.72 | 0.68 | 0.64 | 2.32 | 2.03 | 1.74 |
| Bentonite White, Fine | 30155 | Montmorillonitic clay formed from decomposition of airborne volcanic ash-finest particle size of all clays-plasticizer (3-times as powerful as ball clay), suspension agent, should be used in quantities no more than 3% of dry materials weight | | | | 3.07 | 2.72 | 2.43 |
| Bone Ash | 30007 | An important source of calcium phosphate. When added to a clay body such as bone china, it lowers the maturing temperature and adds translucency. Also used to give texture in low fire glazes | 1.10 | 1.04 | 0.97 | 2.89 | 2.61 | 2.32 |
| Borax, Powdered | 30009 | Source of Boron. Used in low-fire glazes as a flux in place of lead. Fritted is more stable. Soluble | 2.54 | 2.40 | 2.25 | 4.05 | 3.47 | 3.18 |
| Calcium Carbonate (Whiting) | 30010 | The most common source of calcium in glazes. It is a high temperature flux which gives durability and hardness to glazes. Includes whiting, Vicron, Marblewhite, and Atomite | 0.25 | 0.24 | 0.22 | 1.74 | 0.69 | 0.64 |
| CMC (Powdered) | 30024 | Carboxymethyl cellulose-an organic gum used as a suspension/adhesion agent in glazes. Normally, a small amount of gum is added to a quart or so of warm water and left overnight. Once dissolved, this solution may be added in small doses to glazes, slips, and engobes to improve application performance | | | | 13.90 | | |
| Cornwall Stone | 30033 | HT feldspathic alkaline flux containing calcium and potassium, but more refractory than potash feldspars. Substitution: eight parts potash feldspar, two parts silica, one part kaolin. Toxic inhalation | 2.31 | 2.18 | 2.05 | 4.63 | 3.71 | 3.47 |
| Crocus Martis | 30034 | Ferrous sulfate. Soluble in water (Call for pricing) | | | | | | |
| Dolomite | 30037 | Will flux stoneware glazes; may produce buttery glaze finish. In-soluble source of magnesia; approx. 2% can be added to porcelain body | 0.36 | 0.34 | 0.32 | 1.27 | .93 | 0.75 |
| Gillespie Borate | | Blended borate mineral for use in glaze formulas replacing Gerstley Borate on a pound for pound basis (Call for pricing) | | | | | | |
| Gerstley Borate (Laguna) | MGERT | A sodium-calcium-borate compound used as a low temperature flux which helps prevent crazing. Can act somewhat as an opacifier. Standard substitute for Colemanite | 1.22 | 1.15 | 1.08 | 1.87 | 1.78 | 1.69 |
| Glomax (Laguna) | MKAOGLLOL | Calcined Kaolin | 1.38 | 1.30 | 1.22 | 1.98 | 1.88 | 1.79 |
| Grog, Fine | 30045 | Pre-fired ground clay added to "open bodies to give texture and strength". Will assist in drying by decreasing shrinkage and warping. Adds fired strength. Grog is typically added to buff and dark clay | 0.64 | 0.60 | 0.57 | 3.18 | 2.03 | 1.45 |
| Grog, Medium | 30044 | Pre-fired ground clay added to "open bodies to give texture and strength". Will assist in drying by decreasing shrinkage and warping. Adds fired strength. Grog is typically added to buff and dark clay | 0.64 | 0.60 | 0.57 | 3.18 | 2.03 | 1.45 |
| Helmar Kaolin | 30146 | Kaolin which works especially well as flashing slip for salt, soda, and wood firing | | | | | | |
| Kiln Wash | 30054 | A refractory mixture, usually kaolin or flint, which is painted on kiln shelves and saggars to prevent glaze from adhering | | | | 3.13 | 1.85 | 1.62 |

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|------------------------------------|-----------------|---|---------------------------|----------------------------------|---------------------------------|-------|-------|--------|
| Lithium Carbonate | 30070 | Used as a flux in leadless glazes. It is a source of lithium which is a strong high temperature flux. Improves the brightness of glazes and increases the firing range. Also reduces thermal expansion. Available in fine or coarse | | | | 20.70 | 20.23 | 19.87 |
| Magnesium Carbonate | 30081 | Common source of magnesium in glazes. Imports strength and color with little shrinkage. In larger proportions, it produces a dry, opaque quality in glazes | | | | 6.66 | 6.37 | 6.08 |
| Molochite, 200 Mesh | | Made of calcined Grolleg kaolin, Molochite is the cleanest, whitest grog available. Used in the whitest porcelain bodies to reduce cracking in drying and firing | | | | | | |
| Nepheline Syenite | 30078 | May be used to introduce sodium; when used to replace other spars it will lower the melting point of the glaze | 0.44 | 0.41 | 0.39 | 2.95 | 1.79 | 1.16 |
| Pottery Plaster #1 | 30066 | Formulated to provide stronger, longer-lasting working models than Regular pottery plaster. Slightly whiter than Parallel Pottery plaster. Industry standard for dinnerware and sanitary ware | 0.52 | 0.49 | 0.46 | | | |
| Plaster, Hydrocal White | 30067 | High-strength gypsum cement having low setting expansion. Adapts to production on hard, strong, tough, models of uniform and stable dimensional accuracy. Used for production of master models and keller duplicating machines. Stiffening very rapid after setting action begins | 0.75 | 0.71 | 0.67 | | | |
| Plaster, Ceramical (Laguna) | MPL-CERAMICAL50 | Low consistency, smooth-wearing mold material for use in pressing clay ware. Characteristics include low absorption, high strength, ability to purge easily, resistance to abrasion and wear. | | | | | | |
| Plaster, Hydrostone | 30068 | Especially suitable where high strength and resistance to wear are necessary. Used in high-quality art and novelty castings, molds, figurines, modeling material, anchoring material, density fill applications, lamp bases, and die production. Works well in most mold materials, especially flexible molds | 0.84 | 0.79 | 0.75 | | | |
| Plaster, Ultracal | 30069 | A low-absorption gypsum cement for case molds. Specially made for close tolerance tooling; provides excellent hardness, accuracy and freedom from efflorescence | 0.85 | 0.81 | 0.76 | | | |
| Plaster, Vitrox | 30023 | Plastic Vitrox Laguna Dry Blend. Can be used to increase plasticity in porcelain bodies instead of Potash Feldspar; a complex material similar to and sharing properties with Potash Feldspar and Cornwall Stone. | 0.61 | 0.57 | 0.54 | 3.24 | 2.03 | 1.27 |
| Pyrophyllite | 30090 | May reduce thermal expansion in clay bodies to prevent crazing. Increase thermal shock resistance, reduce shrinkage, give stronger vitreous bodies. May reduce plasticity | 0.39 | 0.37 | 0.35 | 2.89 | 1.74 | 1.04 |
| Sand Silica | 30121 | A smoother, substitute, with less tooth, for grog | 0.36 | 0.34 | 0.32 | 2.89 | 1.74 | 1.04 |
| Soda Ash, Light | 30097 | Highly soluble. Soda ash glazes should be used immediately or stored dry. Used as a deflocculant in slip casting clays | 1.36 | 1.28 | 1.20 | 3.47 | 2.32 | 2.08 |
| Spodumene Sub (Laguna) | S3820D | A source of lithia, which is a flux, that helps to develop copper blue tone glazes. Can replace feldspar and also reduces the vitrification temperature and shrinkage rate in glazes. | 3.07 | 2.90 | 2.72 | 4.33 | 4.12 | 3.91 |
| Strontium Carbonate | 30104 | Similar to calcium. Used as a glaze flux. Slightly soluble and craze resistant | | | | 4.05 | 3.47 | 3.18 |
| Super Pax | 30105 | Zircon opacifier (Call for pricing) | | | | | | |
| Talc, Texas | 30106 | Source of insoluble magnesium. Used in earthenware bodies since it lowers the fusion point. In glazes it may promote opacity. Its structure is similar to asbestos and it is not known what its health hazards are. Therefore, handle with care in the powder form to avoid creating dust. Clean with a moist cloth rather than a broom | 0.46 | 0.44 | 0.41 | 2.89 | 1.74 | 1.04 |

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| Tin Oxide | 30107 | The most effective opacifier to produce even, opaque, glossy glazes. The normal use of tin oxide in a glaze is between 5% and 10%. A dull matte glaze can result when used in excess | | | | 26.91 | 25.88 | 24.84 |
| Titanium Dioxide | 30108 | Insoluble in water. Important opacifier. Often used in glaze to affect acid resistance, color and texture | | | | 7.24 | 6.95 | 6.66 |
| Volcanic Ash | 30112 | Decomposed rock, may be used as flux in stoneware glazes | | | | 2.89 | 1.97 | 1.62 |
| Wollastonite | 30113 | Calcium silica source. Reduces shrinkage and promotes resistance to thermal shock in body | 0.48 | 0.45 | 0.43 | 2.89 | 1.74 | 1.04 |
| Zinc Oxide | 30114 | In small quantities acts as a flux and reduces crazing. In larger quantities it acts as a flux. Prefer calcined zinc for better fit on pots in the raw state. Has strong affect on colors | 4.52 | 4.26 | 4.00 | 5.56 | 5.38 | 5.27 |
| Zircopax | 30115 | Known as Ultrox-Opacifier. Assures exceptional uniformity of opacity, texture and color over a wide firing range. Gives a hard, shiny, scratch resistant surface; reduces crazing | 2.72 | 2.56 | 2.40 | 5.79 | 5.09 | 4.63 |
| FELDSPARS | | | | | | | | |
| Custer, Feldspar | 30040 | A natural glaze at high temperatures. The primary source of alumina and silica for glazes. Usually classed as potash spars (those containing potassium as their characteristic component) or soda spars (those containing more sodium). Other oxides are present | 0.55 | 0.52 | 0.49 | 3.18 | 2.61 | 2.37 |
| Minspar 200 HP | 30039 | Formerly called NC-4 Feldspar. Very similar chemistry. A 200 mesh flotation-grade soda feldspar. | 0.38 | 0.36 | 0.34 | 2.32 | 2.03 | 1.74 |
| Silica Flints | | | | | | | | |
| Silica Flint 200 Mesh | 30094 | Also known as flint, increases durability and chip resistance. In a glaze, addition of flint decreases its thermal expansion. 200 Mesh is finer than it used to be | 0.40 | 0.38 | 0.36 | 2.89 | 1.74 | 1.04 |
| Silica Flint 325 Mesh | 30095 | Also known as flint, increases durability and chip resistance. In a glaze, addition of flint decreases its thermal expansion | 0.42 | 0.40 | 0.37 | 2.89 | 1.74 | 1.04 |
| CLAYS | | | | | | | | |
| Alberta Slip (Laguna) | MCALB | A popular Canadian blended substitute for the Albany slip. Albany slip was frequently used as a glaze additive, and boasted a high proportion of fluxes, which combined with a very fine grain caused it to melt at around 1240 degrees C | 1.73 | 1.63 | 1.53 | 2.35 | 2.23 | 2.12 |
| | | | | | | | | |
| | | | | | | | | |
| Cedar Heights Goldart (airfloated) | 30125 | Buff stoneware clay. A very plastic air floated secondary clay used in bodies where ball clay or fire clay are called for | 0.37 | 0.35 | 0.33 | 2.89 | 1.74 | 1.04 |
| Cedar Heights Redart (airfloated) | 30124 | Brick-red earthenware clay | 0.38 | 0.36 | 0.34 | 2.89 | 1.74 | 1.04 |
| China Clay, English Grolleg | 30020 | This primary clay is used in many porcelain formulations to obtain translucency and still retain plasticity | 1.03 | 0.97 | 0.91 | 3.47 | 2.32 | 2.08 |
| EPK, Air Floated (Florida) | 30019 | A course particle primary clay used in both glazes and clay bodies wherever kaolin is called for | 0.45 | 0.43 | 0.40 | 2.89 | 1.74 | 1.04 |
| Foundry Hill Crème | 30160 | Brick-red earthenware clay | 0.33 | 0.32 | 0.30 | | | |
| Hawthorne Bond Fire Clay 40 Mesh | 30021/40 | Refractory stoneware clay or fireclay, used in stoneware clay bodies | 0.38 | 0.36 | 0.34 | 2.89 | 1.74 | 1.16 |

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| Kentucky OM-4 Ball Clay | 30015 | A fine-grained ball clay with excellent plasticity and strength. Old Mine #4 is an industry standard based on its popularity in both casting and plastic formed bodies. It is also widely used as a suspension aid in glazes | 0.37 | 0.35 | 0.33 | 2.89 | 1.74 | 1.04 |
| Kentucky Stone | 30131 | A coarse-grained, siliceous, illitic Ball clay known for its high strength and plasticity. Applications include artware and ceramic tile | 0.41 | 0.38 | 0.36 | 1.74 | 1.74 | 1.04 |
| XX Sagger | 30147 | A plastic refractory stoneware clay, often used in sculpture and raku bodies | 0.39 | 0.37 | 0.35 | 1.74 | 1.74 | 1.04 |
| Tile #6 | 30133 | Air Floated secondary kaolin-broader particle distribution than primary kaolins, greater plasticity, green strength | 0.59 | 0.56 | 0.53 | 2.89 | 1.74 | 1.04 |
| Colorants | | | | | | | | |
| Chromium Oxide | 30011 | A versatile colorant used in glazes to produce various green tints | | | | 11.87 | 11.29 | 10.13 |
| Cobalt Carbonate | 30025 | Standard blue colorant for slips and glazes, very powerful, 5% will give you dark blue in glaze or slip. Will cause crawling is used raw for underglaze brushwork. Toxic in inhalation and ingestion | | | | 32.60 | 30.53 | 29.50 |
| Copper Carbonate | 30029 | A major glaze colorant to produce greens in LT and HT, copper reds in HT reduction, and greens and metallic effects in raku. Toxic in inhalation and ingestion | | | | 9.84 | 9.55 | 9.26 |
| Cobalt Oxide | 30026 | Calcined cobalt carbonate-twice as powerful-coarser than carbonate, and may give mottling in glaze. Works well for underglaze brushwork, with few crawling problems. Toxic in inhalation and ingestion | | | | 41.40 | 38.30 | 37.26 |
| Copper Oxide, Black | 30030 | Alternate source of copper, coarser particle size, twice as powerful as copper carbonate. Toxic in inhalation and ingestion | | | | 12.42 | 11.90 | 11.39 |
| Copper Oxide, Red | 30031 | Alternate source of copper, may help promote copper reds in LT and HT glazes. Rarely used, because has no affinity for water, and floats back to surface, but a few drops of detergent will break surface tension. Toxic in inhalation and ingestion | | | | 10.35 | 9.88 | 9.52 |
| Illmenite, Granular | 30047 | An iron ore with significant titanium-most often used in granular form to produce dark specks in clay or glazes. Higher iron concentration than rutile | | | | 2.33 | 2.21 | 2.10 |
| Iron Chromite | 30012 | Produces dark colors in engobes and underglazes. Can also be added with manganese compounds to clay bodies as a colorant | | | | 3.71 | 2.89 | 2.78 |
| Iron Oxide, Black | 30049 | Ferrous Oxide. A more concentrated form of red iron oxide | | | | 5.79 | 4.52 | 4.28 |
| Iron Oxide, Red | 30050 | Ferric oxide. Produces various shades of brown and green when used as a glaze colorant or decorative oxide. In high fire matte glazes, Iron oxide and titanium can produce reddish colors. Our most commonly used iron oxide in both clay and glaze | 2.15 | 2.03 | 1.91 | 3.71 | 2.89 | 2.78 |
| Iron Oxide, Spanish | 30138 | This imported, natural iron oxide is bright red in its raw form | | | | 4.28 | 3.47 | 3.36 |
| Iron Oxide, Yellow | 30052 | A weaker form of iron-high clay content | | | | 6.37 | 5.09 | 4.86 |
| Manganese Dioxide 200 Mesh | 30130 | A black powder which gives red, brown, purple, or black tones to clay bodies and glazes. A strong flux when added in large amounts to clay bodies | | | | 3.47 | 2.32 | 2.08 |
| Nickel Oxide, Black | 30080 | Black nickel produces browns, blues, grays and yellows in glazes. It also tone down more intense colorants such as cobalt and copper. Maximum use is usually 3%. | | | | 31.05 | | |

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| Nickel Oxide, Green | 30071 | Colorant or modifier-can give blues, tans, browns, greens, grays, dependent on fluxes present. Often used to mute the effects | | | | 36.23 | | |
| Ochre, Yellow | 30082 | A clay (variety of limonite) containing iron and manganese which is used in engobes, underglazes and overglazes | | | | 4.28 | 3.47 | 3.36 |
| Rutile – Powdered, Dark (Standard) | 30092 | An impure tan colorant which contains a small amount of iron. Used both for color and its tendency to provide various mottled textures. Available in Ceramic grade, and Milled Rutile (Ruflux 61) | | | | 4.63 | 3.59 | 3.24 |
| Rutile – Powdered, Light Tone | 30093 | An impure tan colorant which contains a small amount of iron. Used both for color and its tendency to provide various mottled textures. Available in Ceramic grade, and Milled Rutile (Ruflux 61) | | | | 7.18 | 6.02 | 5.44 |
| | | | | | | | | |

FRITS Prices listed are per pound

| Product | Item # | Item Description | 1 Lb. | 10 Lb. | 50 Lbs. |
|---------|--------|--|-------|--------|---------|
| 785 | 31785 | Fluxes which have been melted to a glass, cooled and ground, in order to stabilize soluble and/or toxic components during handling of unfired materials. All frits are ground glass, and are toxic inhalation | 3.82 | 3.19 | 2.19 |
| 3110 | 31110 | Very similar to 3134 | 3.24 | 2.68 | 1.87 |
| 3124 | 31090 | High-alumina calcium-borate frit, gives greater strength in LT clay bodies | 3.13 | 2.57 | 1.74 |
| 3134 | 31014 | Calcium-borate frit often used as substitute for gerstley borate in low-fire glazes when greater reliability and/or long-term insolubility and/or greater transparency are desired. Makes good cone 04 transparent glaze by itself | 3.24 | 2.68 | 1.87 |
| 3195 | 31165 | Similar to 3134 | 3.82 | 3.19 | 1.99 |
| 3269 | 31025 | Fluxes which have been melted to a glass, cooled and ground, in order to stabilize soluble and/or toxic components during handling of unfired materials. All Frits are ground glass, and are toxic inhalation | 3.82 | 3.29 | 1.99 |
| | | | | | |
| 3289 | 31289 | Fluxes which have been melted to a glass, cooled and ground, in order to stabilize soluble and/or toxic components during handling of unfired materials. All Frits are ground glass, and are toxic inhalation | 3.82 | 3.29 | 1.87 |

SLIPS

| Product | Manufacturer | Item Description | Item # | Price |
|----------------------------------|--------------|--|--------|---------|
| Low-Fire White Slip – Cone 06-04 | Standard | 2 gallons – Pours smoothly & quickly, and drains evenly produces greenware of good strength | 70002 | \$10.37 |
| Terracotta Slip – Cone 06-04 | Standard | 2 gallons – A Classic terracotta color at C/04. Excellent casting slip. Can be used in all types of molds. Very good for functional ware | | \$19.37 |

| SLIPS (cont.) | | | | | | | |
|---|---------------------|--|---|---------------|--------------|--|--|
| Product | Manufacturer | | Item Description | Item # | Price | | |
| White Stoneware Slip – Cone 6 | Standard | | 2 gallons – A smooth pouring stoneware slip. Releases easily. Excellent for utility ware | 70004 | \$11.22 | | |
| Tan Stoneware Slip – Cone 6-10 | Standard | | 2 gallons – A smooth poring stoneware slip. Fire beige in oxidation, brown in reduction. Good for functional ware | 70006 | \$12.12 | | |
| Porcelain Slip – Cone 6 | Standard | | 1 gallon – Pours smoothly, releases easily. Beautiful porcelain finish. Good green strength | 70005 | \$12.97 | | |
| English Porcelain Slip – Cone 6 | Standard | | 1 gallon – A fine parian like porcelain. White, tight and translucent where thin | | \$15.41 | | |
| French Blush Porcelain Slip – Cone 6 | Standard | | 1 gallon – A lovely pale pink porcelain. Perfect for doll making. | | \$12.58 | | |
| Miller Slip NS-1 | Laguna | | 2-1/2 gallons | NS12.5 GB | \$-- | | |

| MISC. | | | | | | | |
|---------------------------------------|---------------------|-------------------------|--------------------|-------------------|----------------------|---------------------|--|
| Product | Manufacturer | Item Description | Pint Item # | Pint Price | Gallon Item # | Gallon Price | |
| Darvan 811 | Standard | | 30120 | \$10.92 | 30120 | \$44.75 | |
| IP233-water based latex resist | Laguna | | IP233P | \$-- | | | |
| Sodium Silicate | Standard | | | \$8.03 | 30148 | \$26.23 | |
| Wax Resist | Standard | | 30117 | \$8.22 | 30118 | \$29.70 | |

| MISC. | | | |
|------------------------------------|---------------------|--------------------------|--------------|
| Product | Manufacturer | Item Description | Price |
| Large Cone | Orton | 2-1/2" high (50 per box) | \$12.54 |
| Small Cone | Orton | 1-1/4" high (50 per box) | \$9.00 |
| BRB Cone | Orton | 50 per box | \$11.19 |
| Self Supporting Large Cones | Orton | 2-1/2" high (50 per box) | \$9.00 |
| Cone Plaques | Orton | ea. | \$0.75 |