MARKETS SERVED
Electrical Insulators, Floor and Wall Tiles, Roof Tiles, Brick, Refractory Brick, Technical Ceramics, Kiln Furniture, Dinnerware, Sanitaryware, Silicon Wafers and Electronic Ceramics.

Not all products available in all Regions

MINERALS
- Alumina ATH
  - Bayer / White
  - Ground / Unground
- Barium Sulfate - Ground
  - High Brightness
  - Fine to Coarse
- Bentonite
  - Dry Processed Sodium Bentonite
  - Dry Processed Calcium Bentonite
- Calcium Carbonate - Ground
  - Low Micron
  - Coarse and Screened
  - Surface Treated
  - Dolomitic
- Calcium Oxide
- Calcium Sulfate
  - Anhydrous
  - Dihydrate
- Feldspar
  - 100 / 325 Mesh
- Hectorite
  - Hydroclassified Hectorite
  - Dry Processed Hectorite
- Micas
  - Wet Ground
  - Fine to Coarse

RARE EARTH OXIDES
- Neodymium Oxide / Carbonate
- Yttrium Oxide
- Gdadinium Oxide
- Erbium Oxide
- Praseodymium Oxide
- Samarium Oxide
- Lanthanum Oxide
- Ytterbium Oxide
- Ytterbium Fluoride

CHEMICALS
- Cellulose Ethers
  - Sodium Carboxymethylcellulose
  - Methylcellulose
  - Methylhydroxyethylcellulose
  - Methylhydroxypropylcellulose
  - Hydroxypropylcellulose
  - Hydroxyethylcellulose
- Lithium Silicate
  - Lithium Silicate Solution
  - Potassium Lithium Silicate Solution
- Magnesium Carbonate
  - Technical Grade
- Magnesium Oxide
  - Low and Medium Activity
- Metallic Stearates
  - Aluminum / Calcium
  - Magnesium / Zinc
- Polymers
  - Polyvinylpyrroldone (PVP)

ALUMINAS
- Calcined Aluminas
  - Unground
  - Ground - 325 Mesh
  - Superground
  - Normal Soda
  - Low Soda
- Calcium Aluminate Cements
  - 70% Alumina
  - 80% Alumina
- Dispersing Aluminas
- High Purity Alumina
  - 99.60 - 99.99% Pure
- Reactive Alumina
  - Superground
- Tabular Aluminas
  - Full Range Open Mesh Sizes
    (ie: Minus 48 Mesh)
  - Full Range Closed Mesh Sizes
    (ie: 14 - 28 Mesh)
  - Minus 325 Low Iron

COLORS
- Chromium Oxide Green
- Iron Oxide Pigments
  - Standard Grades
  - Micronized Grades
- Titanium Dioxide
  - Rutile / Chloride Process
  - Anatase / Sulfate Process
**MINERALS**

- Alumina ATH
  - Glazes
- Barium Sulfate
  - Fluxing Agent
- Bentonite
  - Suspending Agents
  - Green Strength Enhancers
  - Gunning Mixes and Mortars
- Calcium Carbonate - Ground
  - Fluxing Agents
  - Ceramic Bodies
  - Glazes
- Calcium Oxides
  - Calcium Source
- Calcium Sulfates
  - Ceramic Molds
- Feldspar
  - Flux Additive
- Hectorite
  - Green Strength Enhancers
  - Suspending Agents in Glazes
  - Inorganic Binders
  - Rheological Modifiers
- Micas
  - Decorative Coatings
- Rare Earth Oxides
  - Flattens Capacitance
  - Sintering Aid & Toughening
  - Colorant in Glazes
  - Dopant in Capacitors and Filters
  - Component in Ferrite Magnets
- Silica
  - Glass Batches
- Talcs - Magnesium Silicates
  - Dry Pressing
  - Crazing Resistance
  - Low-Cost Flux
  - Shock Resistance
- Lithium Silicate
  - Binder / Coating
- Magnesium Carbonates
  - Magnesium Oxides
  - Imparts White Color
  - Ceramic Bodies and Glazes
  - Flux
- Metallic Stearates
  - Mold Release / Lubricant
- Polymers (PVP)
  - Binder / Dispersant
  - Viscosity Modifier
- Waxes
  - Release Agent / Lubricant
- Zinc Oxide
  - Prevents Crazing
  - Imparts Gloss and Whiteness

**CHEMICALS**

- Cellulose Ethers
  - Dispersing Agents
  - Protective Colloids
  - Thickening Agents
  - Binders for Glazes
  - Film Formers
- Magnesium Silicates
  - Ceramic Bodies and Glazes
  - Flux
- Metallic Stearates
  - Mold Release / Lubricant
- Polymers (PVP)
  - Binder / Dispersant
  - Viscosity Modifier
- Waxes
  - Release Agent / Lubricant
- Zinc Oxide
  - Prevents Crazing
  - Imparts Gloss and Whiteness

**ALUMINAS**

- Calcined Aluminas -
  - Thermally Reactive Alumina
  - Imparts High Density at Low Temps
  - Electronic Ceramics
  - Wear Resistant Ceramics
  - High Density Refractories
- Normal Soda
  - Provides Uniform Shrinkage
  - Electrical Porcelain
  - Whiteware / Sanitaryware
  - Tile / Abrasives
- Low Soda
  - Excellent Thermal / Elec. Properties
  - Excellent Shrinkage Uniformity
  - Tape casting / Spark plugs
  - High Tension Insulators
  - Complex Electronic Ceramics
- Calcium Aluminate Cements
  - 70% Alumina
    - Low and Ultra Low Cement Castables
    - Low Moisture Castables
- 80% Alumina
  - Conventional Castables
  - Low cement Castables
  - Fast Setting
- Dispersing Aluminas
  - Dispersing
  - Retarding
  - Accelerating
- High Purity Alumina
  - Bio Ceramics
  - Cutting Tools
  - Semiconductors
  - Magnetic Products
- Tabular Aluminas
  - Refractories / Kiln Furniture
  - Electrical Insulators
  - Catalyst Support
  - Excellent Thermal Shock Properties
  - High Mechanical Strength
  - Wear Resistance
- Chromium Oxide Greens
  - Green Colorant
- Iron Oxide Pigments
  - Whiteware Glazes
  - Ceramic Bodies
- Titanium Dioxide
  - Primary White or Tint
  - Acid Resistance in Glaze
  - Dielectric Applications
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