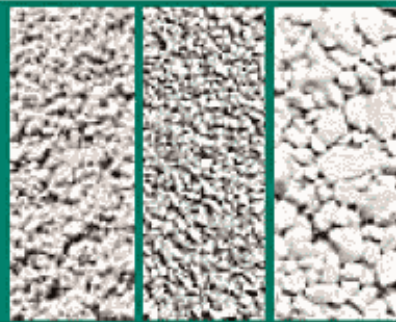


Granulation Services



GENERAL

Compaction is used to create consistent, uniform granulates from fine powder- like particles. The larger and more uniform particle size created by compaction improves material handling, transfer and shipping properties. It also provides a homogenous blend of dissimilar blended powdered components into a single granulate for consistency in application and performance. Compaction increases the surface area of granulated components creating process improvement for sintering, melting, combustion and/or dissolving in solution. Uniform granulation also improves production operations when larger size enhances both mixing speed and consistency. QC Corporation custom blends, compacts, granulates and sizes uniform combinations of a wide variety of materials on a tolling or contract basis to customer specifications.

APPLICATIONS

QC Corporation offers customized granulated blends for the fertilizer, animal feed, chemical, glass, refractory materials and metallurgic industries. Compaction is used when a uniform granulation and color is needed for improved market appeal and physical appearance or when uniform component distribution and dispersion is required in final use.

PHYSICAL PROPERTIES

Product Granulation: Typical Ranges:

- Any size range between 4 and 30 mesh.
- Typical Coarse: 99% -6/+16
- Typical Fine: 99% -14/+30

PRODUCT COMPOSITION/ GRANULATION CAPABILITIES

- Batching capability for numerous ingredients or carriers.
- Binders may be required depending on the nature of the formulation.
- Small quantities of inorganic binders such as bentonite, portland cement and sodium silicate can be added to increase the degree of hot strength of the finished product.
- Volume processing from a minimum of 50 tons to a maximum of 20,000 tons.
- Shipments available from production facilities in Cape Girardeau, Missouri.
- Fully automated process that feeds, weighs, mixes, compacts, granulates, sizes and packages in accordance with customer requirements.
- Pilot plant with full service product development capability.
- 10 years experience in large-scale compaction and granulation operations.
- Comprehensive laboratory with ICP and AA capability.

PACKAGING AND TRANSPORT MODES

- Bulk: 2,000 Lb. Super-Sacks, Dump Truck or Rail.
- Packaged: Custom weights in valve pack bags, 40 pounds to 65 pounds depending on final product density.

COMPACTIBLE MATERIALS

- | | |
|-----------------------------------|-----------------------------|
| • Ammonium Sulfate | • Metal Oxides |
| • Boron | • Metal Sulfates |
| • Caustic Soda | • Micronutrient Fertilizers |
| • Ceramic Materials | • Mill Scale |
| • Charcoal | • Nickel Ore |
| • Chrome Ore | • NPK Fertilizer |
| • Clays | • Photoplates |
| • Coal | • Pigments |
| • Copper Concentrate | • Plant Proteins |
| • Detergents | • Potash |
| • Dried Sewage Sludge | • Refractory Material |
| • Filter Dusts | • Roasted Pyrite |
| • Flue Dust | • Silica |
| • Gypsum | • Sodium Carbonate |
| • Iron Oxide | • Sodium Sulfate |
| • Lignite | • Sponge Iron (D R I) |
| • Magnesite | • Steelworks Dusts |
| • Magnesium Oxide | |
| • Metal Chips, Borings & Turnings | |

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.agr.wa.gov> or <http://www.qccorporation.com>



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