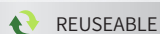


WiseSorbent Bulk Raw Materials



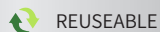
High-quality silica gel



High-quality silica gel uses physical adsorption. It has a strong moisture absorption capacity and both chemical and physical stability. It is also non-corrosive, non-toxic, and harmless. The silica gel can be reused after being reactivated. Normally, the silica gel particle size is 2-4mm. And silica gel has transparent white gel (white gel type A, white gel type B) and indicating silica gel. Indicating silica gel has an indicating function. The state of moisture absorption can be judged by the change of colors. At 25°C, Rh20%, the silica gel will start to change color after absorbing moisture and completely changes color after absorbing moisture under the condition of RH50%-60%. Based on different types of indicating silica gel, the color can be changed from blue to red, orange to light green, orange to dark green, or orange to white.



Molecular sieve



Molecular sieve uses physical adsorption and can be reused after being reactivated. It has a strong moisture absorption ability at low humidity, high-temperature resistance, and good stability. Molecular sieve is a kind of alkali metal aluminosilicate, the main types are 3A, 4A, 5A, and 13X. The particle size is 1.5-2.5mm. Among them, the 13X molecular sieve has a pore size of 1 nm and is capable of adsorbing molecules less than 1 nm. It can be used as a catalyst carrier, water, and carbon dioxide co-adsorption, and water and hydrogen sulfide gas co-adsorption.



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Calcium montmorillonite



Calcium montmorillonite is a natural mineral with interlayer cations of calcium ions. Its appearance is mainly a 1-4mm white or light yellow particles, and it also has gray, purple, and other colors due to different iron content. Montmorillonite adopts physical adsorption and can absorb more than 17% of its weight of water vapor at 25°C and RH40%. Montmorillonite particles can be reused after being reactivated. It is a natural, environmentally friendly, economical, and affordable adsorbent material.



Calcium chloride

Calcium chloride utilizes premium quality raw material that can absorb moisture from the air rapidly and can be used as a multi-purpose desiccant in the industrial field, such as for drying nitrogen, oxygen, hydrogen, hydrogen chloride, sulfur dioxide, and other similar compounds. It can be used as a dehydrating agent in the production of alcohols, esters, ethers, and acrylic resins.

Activated alumina

Activated alumina is a chemical adsorbent suitable for many industrial fields. The particle size is 3-5mm. It has porosity, uniform particle size, and a smooth surface. As an adsorbent, activated alumina is mainly used in various fields such as industrial gas drying, liquid drying, and water purification.



Molecular sieve active powder

Molecular sieve active powder has strong moisture absorption capacity in low temperatures with low humidity or high humidity environment. It can be used as an additive for glass composite strips, coatings, paints, and other adhesives.



• For additional desiccant solutions visit wisesorbent.com •

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