Nano Tungsten Powder

Three types of nanometer tungsten powder were prepared by hydrogen reduction of three precursor powders at low temperatures, which were used as examples and were characterized by Brunauer-Emmer-Teller (BET) method, scanning electron microscopy (SEM) microscopy transmission electron microscopy (TEM), the scattering angle X-ray small (SAXS), issuing of the field of scanning electron microscopy (FESEM), respectively.

Ultrafine Tungsten Powder

Ultrafine tungsten powders have been produced by electrical explosion of wires (EEW) method. Thin W metal wire was discharged by pulsed power of high voltage in argon atmosphere. From the oxidation and combustion of nanopowders in air, it was found that the W powder contained α- and β-W phases, where the combustion product of W powder was WO3.

Fine Tungsten Powder

The high quality and high purity fine tungsten powder are typically greater than 99.95% tungsten purity with average particle sizes up to 10 microns. These powders are used in powder metallurgy applications such as electrical contacts, heavy metal alloys, electronic heat sinks, mining tools and fabricated tungsten rod/bar.

High Density Tungsten Powder

ChinaTungsten Online Manu. & Sales Corp. produces high-density tungsten powder with a higher density than virgin tungsten powder. These powders are spheroidal and made of large particles, resulting in a high Tap density. This high density is what makes them so revolutionary, and gives them such a wide variety of applications. With various level of purity, CTOMS powders offer many advantages over other tungsten powders.

Crystalline Tungsten Powder

Crystalline Tungsten Powders have a number of critical uses in today's world. Crystalline tungsten powders used for infiltration in mining bits and other oil and gas applications. Crystalline tungsten powder is also used in a variety of other applications: lead replacement, golf club weights, show dog ear weights and more.

Coarse Tungsten Powder

Coarse tungsten powders are primarily intended for applications utilizing non-thermal powder consolidation technologies (tungsten– polymer/elastomer, deformable metal binder, etc.). Coarse tungsten powders provide coarse particle size with low alkali metal content-ideal for thermal spray. Coarse tungsten powders are widely used for lead-free ammunition and moldable radiation shielding products. Useful as a pour-in high density filling material for irregular shaped cavities to add weight or radiation attenuation.

Wide Specification Tungsten Powder

Wide Spec (WS) tungsten powder is a lower grade of tungsten powder that is specifically

developed for non-sintering applications where the high density of tungsten is desired yet extreme purity is not required. With a guaranteed minimum of 96% tungsten, you can have the high density of tungsten without the high price. Examples of applications include radiation shielding and plastic densification.

Granulated tungsten powder

Granulated tungsten powder produced at Chinatungsten Online are extra large particle size tungsten powders made from the crushing of sintered tungsten metal. They are classified by coarse mesh sizes. Granulated tungsten powders have applications such as accelerator alloy powders.

Ready To Press Powders

Chinatungsten online produces various types of ready to press powders which is widely used in manufacture of cemented carbide. The products have the following characteristics: stable apparent density; excellent flowability thanks to spherical aspect of the powder; good compressibility; high chemical purity, well control of carbon content; the cemented carbide made of our RTP has excellent physical properties.