



What are the application and cases of zirconium carbide products ?

Zirconium carbide products application and case 1: zirconium carbide used in new type insulation textiles.

Zirconium carbide is used in the new thermal insulation temperature textiles, zirconium carbide with high efficient absorption of visible light, reflected infrared characteristic, when it absorbs 95% of the sun under 2 microns long short wave energy through the thermal conversion, energy can be stored in the material, it also can reflect the characteristics of more than 2 microns infrared wavelengths. And the production of infrared wavelength is about 10 microns, when people wear the containing Nano - ZrC textile clothing, the human body infrared will not easy to send out, this suggests that the zirconium carbide has ideal characteristics of the heat absorption and heat storage. Products can be used in the new textiles with preserving and adjusting for temperature . And cermet fiber as a filling material thermal's underwear just overcome the disadvantages of products in the past, really becoming both warmth and comfort of the new materials of thermal underwear.

The characteristics of zirconium carbide materials' production are: be effectively put into fibers visible light into heat rejection, accumulate the clothing micro-climate space, until warming heat preservation effects. This kind of fiber is a kind of belong to the series of zirconium carbide ceramic particles mixed with polyester chip made in spinning. Cermet zirconium carbide produced by Langfeng Metallic Material Ltd. is a kind of important material used in solar energy utilization, which exists in the fiber, can be directly convert visible light into heat energy (infrared). When the heat is released into space and in clothing and human body (far infrared), saturation pressure differential driven in physiology, along with the micro-climate environment in the air into the clothing outside, and due to containing zirconium carbide fiber material on takanami long infrared, far infrared ray has high reflection ability, and this part of the air heat reflect to the human body, which have the effect of heat preservation.

Using cermet fiber as filling material of thermal underwear, ceramic fiber with a small amount of material can keep warm because of the high warmth, making it beautiful and comfortable greatly; And since using polyester chip as the carrier, its good stability after washing, and also ensure the washing performance of this new material underwear.

Changsha Langfeng Metallic Material Ltd. is specialized in production of zirconium carbide powder, and an integral forming of production, development, sales, services and related solutions , if you want to know more information about zirconium carbide, please pay attention to our official website products link: <http://www.langfengmetallic.com/powder/zirconium-carbide-powder.html>