



Titanium carbide production process quality control(1)

1, raw materials testing (ingredients before detection)

Sampling methods: a barrel sampling, get 10 points of samples in the iron drum of material by sampling tube, to do testing respectively

Sample Name: TiO₂, carbon black, and additives

Test items: chemical composition (including moisture, Fe, S, K, Na, Ca, Ni, Co and other trace elements detected), and particle size

2, The detection after the ingredients (mixed powder after mixing)

Sampling methods: a barrel sampling, get 10 points of samples in the iron drum of material by sampling tube. to do testing respectively

Sample Name: (TiO₂ + black carbon+ additives) mixed powder

Test items: the chemical composition, particle size, total carbon

3, The detection after the ingredients (mixed powder into the graphite ware before pressure)

Sampling Method: Each ware must be checked

Sample Name: (TiO₂ + black carbon+ additives) mixed powder

Test items: Check whether it have been pressing or not with naked eye, and if there are impurities in the material surface.

4, after sintering carbonized test (test the titanium carbide caking after carbonized)

Sampling Method: Each ware must be checked

Sample Name: TiO₂, carbon black, additives,

Test items: Check the ware surface whether there are impurities, checking whether the massive cross-section of titanium carbide uniform color, were observed with the naked eye.