



NIKAN WEST GILSONITE



What is Gilsonite?

Gilsonite, also recognized as Uintahite or Asphaltum, Natural Asphalt is a Bitumen-impregnated rock (Asphaltite) that primarily originates from Utah and Colorado in the United States of America and Kermanshah province in Iran. It is a naturally produced solid hydrocarbon bitumen. Although discovered in various other regions around the world, its large-scale production is predominantly observed only in Kermanshah of Iran.

Gilsonite or Uintahite is a naturally produced hydrocarbon resin with properties that improve the performance of critical applications through multiple industries comprising but not limited to oil and gas, ink, paint, construction, asphalt and foundry.

Gilsonite ore is mined in underground shafts and look alike shiny black obsidian. Initially discovered in the 1860s, about twenty-five years later in the mid-80's, Samuel H. Gilson promoted it as a varnish, electrical insulator and waterproofing complex.

This natural asphalt is comparable to hard petroleum asphalt and is soluble in aromatic and aliphatic solvents and petroleum asphalt. Thanks to its exceptional compatibility, Gilsonite is often used to harden softer petroleum products. Gilsonite in form is a shiny, black material alike the mineral obsidian. It is brittle and can be easily crushed into a dark brown powder. As an additive to asphalt cement or hot mix asphalt, Gilsonite helps to produce dramatically stabilized paving mixes.

This unique mineral is used in more than 160 products. Some applications are as follows;

- Oil well drilling muds
- Well Cementing
- Drilling Fluid Loss Control (FLC)
- Asphalt and road paving
- Foundry sand additives
- Insulation and waterproofing
- Inks and Paint
- Chemical products

Nikan West Gilsonite Company owns a plant located in 12000 square meters land equipped with the automatic progressive machineries for processing and packaging Gilsonite in 3 separate production lines.

● **Gilsonite lump production line, which produces lumps containing %0 to %25 ashes:**

We are equipped to separate the sands from Gilsonite pile which are conveyed from the mine to the plant and make grading according to customer's satisfaction.

packaging : (One metric ton) new jumbo bags.

● **Granulized Gilsonite production line, which produces granule with the diameter of 30 to 40 mesh containing %0 to %25 ashes:**

We can also alter our production line to process Gilsonite lump and change it to granule with the size 30 to 40 mesh.

Packaging:

1- (25kg±5%) multi-layer laminate bags.

2- (25kg±5%) multi-layer paper bags.

3- (25kg±5%) multi-layer Sacks.

Above items can be palletized, shrunk and wrapped according to customer's request.

● **Micronized Gilsonite production line, which produces micronized Gilsonite with diameter of 80 to 400 mesh containing %0 to %25 ashes:**

The company is taking advantage of experts who are capable of processing Gilsonite lump to alter them to powder with size 80 to 400 mesh and packing according to customer's order.

Packaging:

1- (25kg±5%) multi-layer laminate bags.

2- (25kg±5%) multi-layer paper bags.

3- (25kg±5%) multi-layer Sacks.

Above items can be palletized, shrunk and wrapped according to customer's request.

Production Capacity :

Gilsonite Lump : 100000 MT per year

Granulized Gilsonite with 30-40 mesh : 15000 MT per year

Micronized Gilsonite with 200 mesh : 5000 MT per year

Micronized Gilsonite with 400 mesh : 1000 MT per year



Factory Address:

factory and warehouses are located in Gilan-e Gharb County, Kermanshah Province, Iran.

Central Office :

Address: No.1, Shayesteh Dead-end, Molla Hosseini, Ebrahimi , Manzarieh St., Niavaran Ave., Tehran-Iran.



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