



Burgan Al Khaleej , Inc.

C: + 971 55 628 2007

[www.burganalkhaleej.ae](http://www.burganalkhaleej.ae)

## Product description:

Gilsonite is a natural, resinous hydrocarbon. This natural asphalt or Natural bitumen is similar to hard petroleum asphalt and is often called a natural asphalt, asphaltite, uintaite, or asphaltum. Gilsonite is soluble in aromatic and aliphatic solvents, as well as petroleum asphalt. Due to its unique compatibility, Gilsonite is frequently used to harden softer petroleum products. Gilsonite in mass is a shiny, black substance similar in appearance to the mineral obsidian. It is brittle and can be easily crushed into a dark brown powder.

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



## Production

- **Gilsonite lump production, which produces lumps containing %5 to %30 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: 1 MT Jumbo bags, 2 layers (belting, palletized and shrink stretch)



**Micronized Gilsonite production, which produces micronized Gilsonite with diameter of 100 to 200 mesh containing %5 to %30 ashes**

The company is taking advantage of experts who are capable of processing Gilsonite lump to alter them to powder with size 100 to 200 mesh and packing according to customer's order.

Packaging:

- 1- (25kg+5%) multi-layer laminate bags.
  - 2- (25kg+5%) multi-layer Sacks
  - 3- (25kg+5%) multi-layer paper bags.
- **Above items can be palletized, shrinked and wrapped according to customer's request.**



- Table of analysis

Test	Test method	Product			
		PS-1	GH-1	MJ-1	MA-1
Specific gravity 25/25°C	ASTM D70	1-2	1-2	1-2	1-1.1
Ash content, wt%	ASTM D3174	6-8	10-12	12-16	25-30
Solubility in TCE, wt%	ASTM D2042	82	82-83	74-75	60-70
Solubility CS <sub>2</sub> , wt%	ASTM D4	89-90	85-90	75-85	60-70
Softening point, °C	ASTM D36	220	220	190-230	220
Moisture content, wt%	ASTM D3173	1-2	0.5-1	1-1.5	Below 3
Volatile matter, wt%	ASTM D3175	60	59	56	60
Fixed carbon, wt%	ASTM D3172	29-30	30-31	27-28	27-29
Carbon content, mass%	ASTM D5291	75-82	75-82	75-82	90
Hydrogen content, mass%	ASTM D5291	8-9	7-8	7-8	7-8
Nitrogen content, mass%	ASTM D5291	0.01	0.1	0.1	3-4
Sulphur content, mass%	UOP864	3-6	3-6	3-6	2-6