

# Gilsonite® Information Bulletin

## Gilsonite® GPA Grade

### Principal Applications

Briquette or Pellet Binder

### Typical Properties

Softening Point (ASTM E28-92)	159-182°C 320-360°F
Ash (ASTM D271-70 M)	6.0% 10.0% Max. Guaranteed
Moisture (AGC Method)	0.3% 0.5% Max. Guaranteed
Penetration (25°C, 100 gm, 5 sec.)	0
Color in Mass	Black
Flash Point (COC)	316°C; 600°F
Sulfur	0.3%
Specific Gravity	1.05
Fixed Carbon	18%
BTU per pound	16,000-18,000
Volatile Combustible Matter at 1900°F, ASTM D271-4	75-81%
Lustrous Carbon Content	25-35%
Coking Value	20-25%

### Typical Elemental Analysis, Weight %

Carbon	77.0%
Hydrogen	9.0%
Nitrogen	3.2%
Oxygen	2.0%
Silicon, Nickel, & Trace Elements	5.0%

### Typical Particle Sizing

% Retained (Cumulative)

	<b>Small Lump</b>	<b>Pulverized</b>
+ 4 mesh	0.2	--
+ 10 mesh	3.0	--
+ 30 mesh	--	0.1
+ 50 mesh	--	1.3
+ 65 mesh	55.0	--
+ 100 mesh	--	8.5
+ 150 mesh	77.0	--
+ 200 mesh	--	30.0

## **PRODUCT APPLICATION FOR GPA GRADE GILSONITE**

Gilsonite GPA Grade is an excellent binder that will increase the carbon content of metal alloys.

## **PACKAGING**

Gilsonite GPA Grade is available in 50 lb. and 25 kilo net multi-ply paper bags which may be palletized and stretch wrapped. It is also available in bulk loaded trucks and a variety of bulk bag sizes.

## **HEALTH & SAFETY**

Gilsonite is a naturally occurring hydrocarbon. There is no known history of dermatitis, lung disease or other health problems associated with handling of Gilsonite as supplied. Dusts are subject to combustion. Normal precautions used with flammable materials apply.

GPA 0201

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