

**CHEMICAL MINE WORLD LTD.**  
**MINER MANUFACTURER OF GILSONITE**  
**Web-site: <http://www.gilsoniteco.ir>**  
**Email: [sales@gilsonite.org](mailto:sales@gilsonite.org)**



<b>Physical Properties of Gilsonite</b>	
<b>"Natural Asphalt 'Natural Bitumen'"And FLC"Fluid Loss Control</b>	
<b>Color in Mass</b>	<b>Black</b>
Color in Streak or Powder	Brown - Dark Brown
Softening Point	265-600 °F
Moisture Content	0.5 - 3.5% %
Ash Content	0.5 % - 12%
Specific Gravity @ 77°F	1.04-1.06
Hardness (Moh's Scale)	2
Penetration	0 - 2
<b>Volatility, Weight %,</b>	
5 Hours @ 325°F	< 2%
5 Hours @ 400°F	< 4%
5 Hours @ 500°F	< 5%
Flash Point, C.O.C.	450-600 °F
Acid Value	2.3
Saponification Value	5.6
Iodine Number	0
Heat of Combustion	17,900 Btu / lb.
Heat of Fusion	9990 Btu / lb.
Specific Heat of Solid Phase	0.52 Btu / lb. / °F
Specific Heat of Liquid Phase	0.61 Btu / lb. / °F
Glass Transition Temperature, Tg	185-250 °F
Bulk Density, Lump	40 lbs. / ft3
Electrical Resistivity	4.0 x 10 <sup>12</sup> ohm-cm
<b>Viscosity, Brookfield</b>	
@ 375°F	55,000 cps
@ 400°F	22,800 cps
@ 425°F	6,600 cps
@ 450°F	2,800 cps