

Gilsonite **Chemical**

Steel Making Additives , A Fiberboard Wood Products
 A Binder in Wood Products, Gilsonite in Construction Mastics
 Metallurgical Briquette or Pellet Binder,
 Gilsonite in Adhesives, Contact Adhesives and Hot Melt Adhesives, Gilsonite in
 Asphalt Modification and Improvement
 Asphalt Pavement Sealer, Explosives
 Briquette or Pellet Binder,

Gilsonite CH-109P Grade

Typical Properties

Softening Point (ASTM E28-92)	165-205°C
	330-400°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)	
	Small Lump	Pulverized
+ 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

