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Gilsonite
Foundry

Gilsonite Foundry Grade

Grade CH-109P FG

Principal Applications
Foundry Sand Additive
Refractaries
Ingot Mold Coating
Briquette or Pellet Binder

Typical Properties

Softening Point (ASTM E28-92)	160-182°C 320-360°F
Ash (ASTM D271-70 M)	3.2% 5.0% Maximum
Moisture (AGC Method)	2.0% Maximum
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	18,000
Volatile Combustible Matter at 1900°F, ASTM D271-4	81%
Lustrous Carbon Content	35-38%
Coking Value	25-30%

Typical Elemental Analysis, Weight %

Carbon	85%
Hydrogen	10%
Nitrogen	3.0%
Oxygen	1.5%
Silicon, Nickel, & Trace Elements	0.3%

Typical Particle Sizing

% Retained (Cumulative)

	Super Coarse	Small Lump	Semi-Pulverized	Pulverized
4 mesh	<=3	<=3		
10 mesh	<=20	<=12	<=0.5	
30 mesh				<=0.1
50 mesh				<=1.3
65 mesh	>=70	>=45	<=23	<=8.5
100 mesh				<=30.0
150 mesh	>=90	>=70	<=58	
200 mesh				