

# GILSONITE SELECTS

## TYPICAL PHYSICAL PROPERTIES

Color in Mass	Black
Color in Streak or Powder	Brown
Softening Point	265-400°F
Moisture Content	0.5%
Ash Content	0.5%
Specific Gravity @ 77°F	1.04-1.06
Hardness (Moh's Scale)	2
Penetration	0
Volatility, Weight %, 5 Hours @ 325°F	< 2%
5 Hours @ 400°F	< 4%
5 Hours @ 500°F	< 5%
Flash Point, C.O.C.	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, T <sub>g</sub>	185-225°F
Bulk Density, Lump	40 lbs. / ft <sup>3</sup>
Electrical Resistivity	4.0 X 10 <sup>12</sup> ohm-cm
Viscosity, Brookfield @ 375°F	55,000 cps
@ 400°F	22,800 cps
@ 425°F	6,600 cps
@ 450°F	2,800 cps



### ZIEGLER CHEMICAL & MINERAL CORP.

600 PROSPECT AVENUE • PISCATAWAY, NEW JERSEY 08854  
PHONE: 1-732-752-4111 • FAX: 1-732-752-4114  
www.zieglerchemical.com

ASPHALT REFINERY PISCATAWAY, NJ