



Information Bulletin

Gilsonite® GP Grade

Principal Applications

Asphalt / Bitumen Modifier
Paints & Stains
Protective Coatings

Properties

Softening Point (ASTM E28-92)	159 - 182°C 320 - 360°F
Ash (ASTM D-271-70 M)	0.50% Typical 0.90% Max. Guaranteed
Moisture (AGC Method)	0.2 - 0.5% Typical 0.7% Max. Guaranteed
Penetration (25°C, 100 gm, 5 sec.)	0
Flash Point (COC)	316°C; 600°F
Sulfur	0.3%
Specific Gravity	1.04
Acid No.	< 3
Color In Mass	Black

Typical Particle Sizing

(ASTM (E11-70))

	% Retained (cumulative)	
	<u>Small Lump</u>	<u>Pulverized</u>
+ 4 mesh	0.2	--
+ 10 mesh	3.0	--
+ 35 mesh	--	0.2
+ 65 mesh	55.0	2.0
+ 100 mesh	--	8.0
+ 150 mesh	77.0	--
+ 200 mesh	--	35.0

Solubility

Gilsonite® GP Grade is readily soluble without heating in aromatic solvents (Benzene, Toluene, Xylene) and in most chlorinated solvents. It also soluble without heating in aliphatic and low aromatic solvents (VM&P and other Napthas, Ink Oils and Mineral Spirits), but mixing time is longer. Without heating, the pulverized grade is recommended. Gilsonite has limited solubility in most alcohols and ketones.

Packaging

Gilsonite® GP 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 in 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.

REACH

Gilsonite is a naturally occurring mineral and not subject to REACH regulations.