

# Gilsonite® Information Bulletin

## Gilsonite® Lo Vis Selects Grade

### Principal Applications

Printing Inks (Gravure, Letterpress, Offset, Newsink)

Paints and Stains

Protective Coatings

### Properties

Viscosity (25°C, 30% solids, Magie 470)	500 - 900 cPs
Softening Point (ASTM E28-92)	154-166°C 310-330°F
Ash (ASTM D-271-70 M)	0.7% Typical 1.0% 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)	
	Small Lump	Pulverized
+ 4 mesh	0.5	--
+ 10 mesh	5.0	--
+ 35 mesh	--	0.2
+ 65 mesh	65.0	2.0
+ 100 mesh	--	8.0
+ 150 mesh	85.0	--
+ 200 mesh	--	35.0

SOLUBILITY

Gilsonite® resin Lo Vis Selects Grade is readily soluble without heating in aromatic solvents (Benzene, Toluene, Xylene) and in most chlorinated solvents. It is 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. Solutions do not thicken appreciably upon aging. Lo Vis Selects is compatible with drying oils, rosins, hydrocarbon resins, elastomers, asphalts, and waxes for specialty applications. It has limited solubility in most alcohols and ketones.

## **PACKAGING**

Gilsonite® Lo Vis Selects 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.

B-034-0196

Copyright 2001: American Gilsonite Company. All rights reserved. Gilsonite is a registered trademark of American Gilsonite Company | Last Updated: 10/29/2001