

## Gilsonite Ink & Paint

Gilsonite® resin Selects **PI-300** 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.

Films developed from Selects **PI-300** have a very dark color with little bronzing effect. Solutions do not thicken appreciably upon aging. Selects **PI-300** Grade is compatible with drying oils, rosins, hydrocarbon resins, elastomers, asphalts, and waxes for specialty applications. It has limited solubility in most alcohols and ketones.

### Gilsonite Grade PI-300

#### Principal Applications

Printing Inks ( Gravure, Headset, New sink )  
 Paints and Stains  
 Protective Coatings

#### Properties

Viscosity (25°C, 30% solids, Magie 470)	5000 - 20000 cPs
Softening Point (ASTM E28-92)	180-205°C 385-400°F
Ash (ASTM D-271-70 M)	<1.5% Typical 3% Max. Guaranteed
Moisture (AGC Method)	<1% Typical 1.5% Max. Guaranteed
Penetration (25°C, 100 gm, 5 sec)	0
Flash Point (COC)	400°C; 700°F
Sulfur	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	0.2	--
+ 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

