

Gilsonite Specification (Ash 15~20%)

Description:

Gilsonite (Natural Asphalt, Natural Bitumen, Uintahite) is a naturally occurring solid hydrocarbon resin. It is a black, lustrous, and brittle material with high carbon content and unique solubility characteristics in aromatic and aliphatic solvents. Gilsonite is available in lump, granular, and micronized powder forms with various ash contents (from <5% up to 25%) and particle sizes (30 mesh to 400 mesh) tailored for different industrial applications.

Applications:

- Asphalt & Road Construction: Modifier to improve durability, rutting resistance, and softening point of asphalt binders and mixes.
- Inks & Paints: Black pigment and resin extender in printing inks, coatings, and paints.
- Oil & Gas Drilling: Used as a loss circulation material (LCM) and shale stabilizer in water- and oil-based drilling fluids.
- Foundry & Metallurgy: Binder in foundry sands and additive in metallurgical coke production.
- Adhesives & Sealants: Component in industrial adhesives, mastics, and waterproofing compounds.

Packing:

- 25 kg bags paletized shearing
- 1000 & 1300 kg jumbo bag

Health and Safety:

- Gilsonite is **classified as non-hazardous** under normal conditions of use.
- Ensure **adequate ventilation** to minimize dust exposure.
- Use **personal protective equipment (PPE)** such as gloves, safety glasses, and respiratory protection when handling fine powders.
- **Store** in a cool, dry, and well-ventilated area, **away from heat and ignition sources**.
- **Avoid inhalation** of dust and prolonged skin contact.
- **Dispose** of waste material in accordance with **local environmental regulations**.

Gilsonite Analysis

Requirements	Unit	Specification
Ash Content wt%	ASTM-D3174	15~20%
Color in Mass (Bulk)	-	Black
Appearance (Fine)	-	Brown-Black Powder
Softening Point °C	ASTME-D36	160-220
Moisture Content wt%	ASTM-D3173	<3
Specific Gravity 25°C	ASTM-D3289	1.02-2
Flash Point	°C	>260
Volatile Matter wt%	ASTM-D3175	50-70
Fixed Carbon wt%	ASTM-D3172	20-35
Sulphur wt%	LECO Analysis	2-4

Gilsonite Raw & Powder



Applications

