

# Gilsonite Lump

Technical Data Sheet (TDS) / Product Specification

Gilsonite lump is the natural form of the mineral as it leaves the mine: hard, glossy black pieces with a sharp, glassy fracture. It is the most economical form for customers who melt or dissolve gilsonite in their own process, such as bitumen blending terminals, coating plants and grinding mills.



## 1. Typical properties

| Property                   | Typical value      | Test method |
|----------------------------|--------------------|-------------|
| Appearance                 | Black, shiny lumps | Visual      |
| Size                       | 0 – 50 mm (custom) | Sieve       |
| Softening point (R&B)      | 150 – 220 °C       | ASTM D36    |
| Ash content, max           | 5 – 10 %           | ASTM D3174  |
| Moisture, max              | 1 %                | ASTM D95    |
| Volatile matter            | 55 – 75 %          | ASTM D3175  |
| Solubility in toluene, min | 95 %               | ASTM D2042  |
| Specific gravity @ 25°C    | 1.04 – 1.10        | ASTM D70    |

Typical values for guidance. The binding specification for each lot is stated in the Certificate of Analysis (COA).

## 2. Key benefits

- High softening point natural hydrocarbon
- Economical for in-house melting and milling
- Low moisture and controlled ash
- Supplied in jumbo bags or bulk

## 3. Applications

- Bitumen blending and modification
- Coating and waterproofing compounds
- Raw material for grinding to powder
- Briquetting binders

## 4. Recommended dosage

Depends on application.. Final dosage should be confirmed by laboratory or field trials under actual conditions.

## 5. Packing and storage

|            |                                                                                                                     |
|------------|---------------------------------------------------------------------------------------------------------------------|
| Packing    | 1 MT jumbo bags or bulk; 20 MT per 20ft container.                                                                  |
| Storage    | Store in a dry, covered and well-ventilated area on pallets, away from heat and ignition sources. Keep bags closed. |
| Shelf life | At least 12 months in original packing.                                                                             |

## 6. Quality and documents

Each shipment is supplied with COA, TDS and MSDS. Third-party inspection (e.g. SGS) can be arranged on request.

Disclaimer: The information in this data sheet is based on our current knowledge and is given in good faith. It does not constitute a warranty of suitability for a particular purpose. Users should determine suitability through their own tests.

| Prepared by                                            | Approved by                                               | Company stamp                                                        |
|--------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------|
| BASEKIM Quality Control Laboratory<br>Date: 2026-10-03 | Sun Gilsonite Technical Team, BASEKIM<br>Date: 2026-10-03 | <div>APPROVED<br/>Sun Gilsonite by BASEKIM<br/>Quality Control</div> |