

Foundry Grade Gilsonite

Technical Data Sheet (TDS) / Product Specification

Foundry grade gilsonite releases volatile hydrocarbons at pouring temperature that form a lustrous carbon film at the mould-metal interface. Castings come out smoother, shake-out is cleaner and less additive is needed than with traditional sea coal.



1. Typical properties

Property	Typical value	Test method
Appearance	Black powder	Visual
Particle size	100 – 300 mesh	Sieve
Volatile matter	55 – 75 %	ASTM D3175
Ash content, max	5 %	ASTM D3174
Moisture, max	1 %	ASTM D95
Softening point (R&B)	150 – 200 °C	ASTM D36

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

2. Key benefits

- High lustrous carbon yield
- Smoother casting surfaces
- Lower dosage than sea coal
- Low ash, fewer fines

3. Applications

- Grey and ductile iron castings
- Bentonite-carbon blends
- Facing sand
- Non-ferrous castings

4. Recommended dosage

0.3 – 1.0 % (iron). Final dosage should be confirmed by laboratory or field trials under actual conditions.

5. Packing and storage

Packing	25 kg bags palletized; 1 MT jumbo bags for blending plants.
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 Date: 2026-10-03	Sun Gilsonite Technical Team, BASEKIM Date: 2026-10-03	APPROVED Sun Gilsonite by BASEKIM Quality Control