Oreworld trade (Tangshan) co., Ltd.

Introduction of the flake graphite

Flake-graphite is probably the most familiar of the natural graphite materials. Most people are familiar with the finely powdered graphite used as a lock lubricant, or the “lead” in pencils. Both of these products typically contain flake graphite. As the name implies flake graphite has a distinctly flaky or platy morphology. All graphite has a flaky morphology on some level, but in most instances flake graphite powder has this structure regardless of particle size.

Types of graphite

Graphite generally occurs in one of three forms:
- Microcrystalline or amorphous;
- Crystalline lump or vein;
- Crystalline flake

Main specifications of flake graphite

Graphite Fixed carbon content: 75-99.9%
- Graphite Main size: 32mesh, 50mesh, 80 mesh, 100 mesh, -100mesh, -200mesh, -325mesh, 500mesh, 600mesh, 1000mesh

Graphite Main specs:
1. +32mesh: +3295, +3296,
2. +50mesh: +590,+595,+596,
3. +80mesh: +890, +895, +894, +899,
4. +100mesh: +190, +195, +194, +196, +199,
5. -100mesh: -190, -194, -195, -196, -199,
6. -200mesh: -280, -285, -290, -295, -299,
7. -325mesh: -380, -385, -390, -395, -399
8. Micronized graphite 400mesh-3000mesh, carbon 80-99.5%

Applications of flake graphite

Refractory materials, lubricant materials, graphite crucible materials, carbon brush, lithium-ion battery materials, pencil lead materials, cast coating materials. Crystalline flake graphite is widely used as an essential nonmetallic mineral in almost all industries. It can be used as high-quality refractory material or coatings in metallurgical industry, black pencil.

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