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 indu stries. It can be used as highquality refractory material or coatings in metallurgical industry, black pencil.