

Natural Flake Graphite

GRPM5 is a natural flake graphite, ground to powder with median particle size of 5 Micron. This form of graphite has a high degree of crystallinity consisting of flake shape crystals. Graphite is a soft, lustrous, and opaque mineral that is made of carbon. It is usually gray to black in color and has a metallic luster.

Flake graphite applications including but not limited to powder metallurgy, fuel cell bi-polar plates, coatings, thermal materials, friction moderators, electrically conductive materials, refractories, general lubricant applications, pencils, gaskets, rubber compounds, and other advanced polymer systems.

CAS No.: 7782-42-5
EC No.: 231-955-3
INCI Name: GRAPHITE

TYPICAL PHYSICAL PROPERTIES

Apparent Density	0.25–0.50 g/cm ³
Particle Size	5 Micron (Average)

TYPICAL CHEMICAL ANALYSIS

	Typical	Min	Max
Carbon Content	95 %	90%	100%

TYPICAL APPLICATIONS

Lubricant and lubricant additives
Electrical Conductive Paints
Rubber & Polymer Composites
Pencils
Battery cores
Electrodes
Provides metallic shine

PACKAGING AND SHELF LIFE

GRPM5 is mostly measured and sold by volume. It is available in 1-Quart, 1-Gallon and 5-Gallon containers. It is also available in 20-lb boxes.