

## BULK GRAPHITES

### Range of Graphite Powders/Flakes

Graphite is a form of carbon having a thin, flat, crystalline structure. It is found as a natural resource in several locations throughout the world. Graphite can also be manufactured from petroleum, coke or anthracite.

Uses of graphite are found throughout a broad spectrum of industries. It is used in the paper making industries as an opacity modifier; in high temperature seals and packings; in batteries; in sintered products; in conductive electrical coatings; in paints and explosives; as well as for its more traditional purpose of providing high temperature lubrication for a variety of industrial uses.

#### Features

- Highly adherent to ferrous surfaces.
- Good, low friction, solid lubricant.
- High conductive properties.
- Low coefficient of expansion.
- Low photo-electric sensitivity.
- Extremely opaque and non-reflective.

#### Graphite Types

- **NATURAL GRAPHITES** are mined in many countries such as Sri Lanka, China, Germany, Austria and the Malagasy Republic.

The lubricating properties of graphite are reduced by the existence of impurities, especially highly abrasive impurities such as quartz and corundum. For this reason some natural graphites may have to be purified before being used for lubrication purposes.

- **SYNTHETIC GRAPHITES** are graphitised by the induction furnace process from petroleum cokes or anthracite, already in powder form. By this method exceptionally pure powders are created with a large particle size and regular crystalline structure.

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The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

## BULK GRAPHITES

Grade	Type	Carbon Content	Ash Content	Moisture Content	Particle Size (microns)
X2101	Natural	96.3%	3.7%	0.1%	99.7%<40
X2103	Natural	96.4%	3.6%	0.1%	98%<75
X3149	Natural	90.0%	9.5%	0.5%	85%<75
X7119	Synthetic	99.8%	0.1%	0.1%	90%<18

### Pack Sizes – Part Codes

X2101	40kg	part code 82055
X2103	50kg	part code 82076
X3149	25kg	part code 82234
X7119	20kg	part code 82464

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