



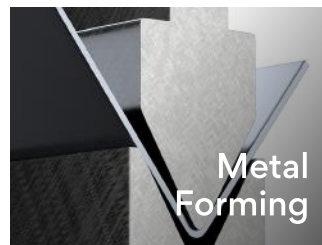
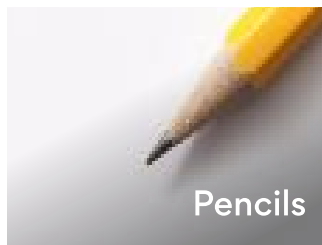
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# Graphite Flakes

Flake graphite can be found in metamorphic rocks evenly spread through the body of the ore or in concentrated lens-shaped pockets. The range of carbon concentrations varies from 5% to 40%. Graphite flake can be found as a lamella or scaly form in specific metamorphic rocks such as limestone, gneisses.

Flake graphite has a layered structure constituting carbon atoms in a hexagonal lattice. Each planer layer constitutes carbon atoms with  $sp^2$  configuration, each carbon atom is bonded to three other carbon atoms via covalent bonds, leaving one free electron each. These planer sheets, one sheet is called graphene, are weakly bonded via Van der Waals force giving the flaky nature to the material.

Some of the graphite flake's applications are as follows



## Product Specification

Graphite flakes	
Fc	98.5% Min
S	0.5% Max
Moisture	0.1% Max
Ash	0.5% Max
Size	1-4mm free from moisture