

CB MINERALS

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INDUSTRIAL MINERALS SINCE 1897

TYPES AND CHEMICAL COMPOSITION OF MICAS

There are three naturally occurring types of Mica and one synthetic grade of mica commercially available. Micras have high aspect ratios, are flexible and compressible. They are used in paints, sealants, plastics, cosmetics, artificial stone and other manufacturing.

PHLOGOPITE MICA:



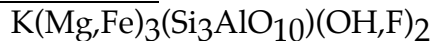
Magnesium substituted mica

Golden or tan color

Stable at high temperatures

Available as powder, flakes and sheets

BIOTITE MICA:

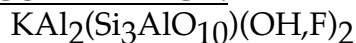


Iron substitutes mica

Black in color

Least available of all mica, mostly available as coarse grades

MUSCOVITE MICA:

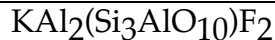


Aluminum substituted mica

Green or Silver in color

Most widely available type

FLUOROPHLOGOPITE:



Fluorine substituted, aluminum mica

Does not occur in nature, one of the few purely synthetic minerals

Extremely heat stable, 1000C

Brilliant white color

Available in finely ground 10 micron grades up to 3000 micron