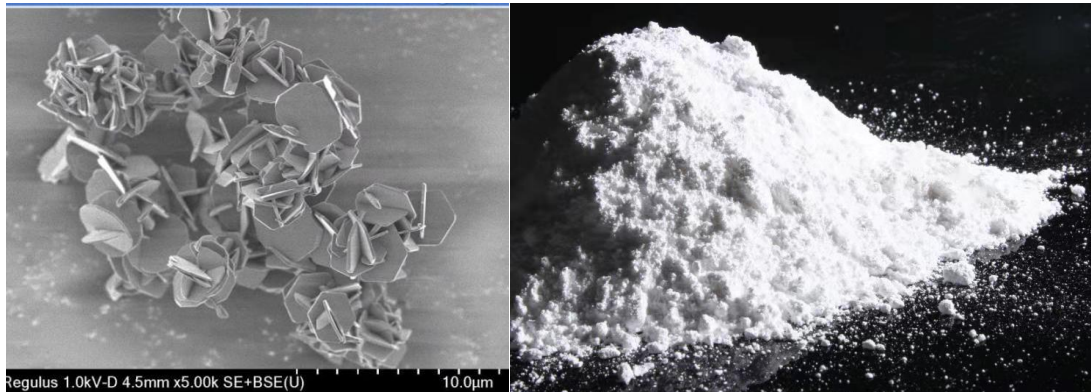




Shandong Zhanchi New Materials Co., Ltd
Shanghai Chenxu Trading Co.,Ltd

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Flake alumina(tabular alumina)



Flake alumina has excellent intrinsic properties and special structural characteristics. Therefore, it has many excellent properties:

- 1) Compared with other flake powders, flake alumina has excellent comprehensive properties, such as high melting point, high hardness, high mechanical strength, good wear resistance, chemical corrosion resistance, oxidation resistance and heat resistance.
- 2) Flake alumina has a small thickness and a large diameter thickness ratio, which can reach the nanometer level in the thickness direction and the micron level in the radial direction. Therefore, it has the dual functions of nano and micron powder; The surface activity is moderate, which can not only effectively combine with other active groups, but also not easy to agglomerate and facilitate effective dispersion.
- 3) Flake alumina has good adhesion, significant shielding effect and the ability to reflect light.
- 4) Flake alumina is colorless and smooth, and the surface of lamellar alumina is almost transparent and hexagonal crystal.



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Flake alumina application:

- 1) Abrasive materials –flake alumina’ s sheet surfaces are more suitable for abrasive materials
- 2) Pearlescent pigment
- 3) Cosmetics – flake alumina is an additive that can improve the thermal conductivity of cosmetics
- 4) Functional coating
- 5) Inorganic filler – the larger the diameter of flake alumina, the better the heat conduction effect
- 6) Flexibilizer–flake alumina was added into ceramics as a second phase flexibilizer
- 7)It can be used in many fields, such as pigments, cosmetics, automotive topcoats, fillers and abrasives