DATSON
BUILDING MATERIALS

Technical Datasheet

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Talc Powder
DBM-TSH5

Product Features

Talc Powder is a high-purity, finely milled mineral renowned for its excellent softness, chemical stability, and moisture-absorbing properties. Its natural lubricating characteristics make it ideal for use in a variety of industries, including cosmetics, ceramics, paints, and plastics.

Technical Specifications

Chemical Analysis	
CaCO3 (%)	46-47
SiO2 (%)	20-25
Al2O3 (%)	0-2
Fe2O3 (%)	0-1
MgO (%)	24-25
Loss of Ignition (%)	30-32

Physical Properties / Particle Size	
WHITENESS(RY)	96-97%
BRIGHTNESS(RZ) (ELREPHO 3000)	94-95%
BULK DENSITY (GM/CC)	0.9-1.0
SPECIFIC GRAVITY	2.7
MOISTURE CONTENT (%)	0.5 Max.
FINENESS ON 500 MESH	0.001
AVG. PARTICLE SIZE D50 (MALVERN INST.)	5.0 +/- 1µ
TOP CUT D98 (MALVERN INST.)	16.0 +/- 2µ

Safety Data

Talc Powder is a non-toxic, chemically stable material; however, prolonged or excessive inhalation of talc dust may cause respiratory irritation. Appropriate personal protective equipment, such as dust masks and goggles, should be worn during handling to minimize exposure. In case of contact with eyes, rinse thoroughly with water. Store in a cool, dry place, away from moisture and heat.

Product Variants

Talc is available in various grades and particle sizes to cater to different applications. Key variants include cosmetic-grade talc, which is finely milled for use in personal care products and cosmetics due to its purity and softness, and industrial-grade talc, suitable for applications in plastics, rubber, and coatings. Additionally, talc can be offered in different forms, such as powder, granules, or pellets, to meet specific manufacturing needs.

Packaging Information

Talc Powder is available in various packaging options to suit your needs, including 25 kg PP bags with or without jumbo bags or pallet and bulk packaging in jumbo bags. All packaging is designed for easy handling, storage, and transportation, ensuring the product remains dry and protected from moisture.

Application and Usage

Talc powder has different applications in various industries such as;

>> Plastics and Polymers;
Talc is used as a filler and reinforcing agent to improve the stiffness, heat resistance, and durability of plastic products, especially in automotive and household items.
>> Paper Industry
Talc enhances the smoothness, opacity, and printability of paper. It also improves ink adhesion and reduces the wear on paper-making equipment.
>> Paints and Coatings
Talc provides excellent opacity and matting properties, enhances paint adhesion, and improves overall durability, especially for exterior coatings.
>> Ceramics
Used in ceramic tiles, sanitary ware, and tableware, talc enhances the workability, firing characteristics, and strength of ceramics.
>> Cosmetics and Personal Care
Talc is valued for its softness and absorbency, making it ideal for products like baby powder, face powder, and other skincare and cosmetic formulations.
>> Pharmaceuticals
Talc acts as a lubricant, glidant, and filler in tablets and capsules, facilitating smoother processing and consistent quality in pharmaceutical products.

Warranty

DATSON Building Materials warrants that the product supplied meets the specified quality and performance standards as outlined in this datasheet. We guarantee that the material is free from defects in manufacturing and workmanship. For warranty claims, please retain proof of purchase and contact our customer service team.

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DATSON Building Materials Trading L.L.C
P.O. Box 91176, Dubai, UAE
Tel.: +971- 43515060
www.datsonbm.com
info@datsonbm.com