

# Technical Data Sheet

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Item Name:

# TALC

## PRODUCT INFORMATION

|                    |                                       |
|--------------------|---------------------------------------|
| Chinese Name:      | 滑石粉                                   |
| Commodity Name:    | TALC                                  |
| Chemical Name:     | Talcum Powder                         |
| Other Name:        | French Chalk, Magnesium Silicate TALC |
| CAS No.:           | 14807-96-6                            |
| Molecular Weight:  | 379.3                                 |
| Molecular Formula: | $Mg_3[Si_4O_{10}](OH)_2$              |

## PRODUCT DESCRIPTION

Main composition of talcum powder is hydrated magnesium silicate.

Usually it's made after crushing, treated with hydrochloric acid, water washing and drying.

Talcum powder features properties of lubricity, fire resistance, acid resistance, insulation, high melting point, strong adsorption force and other excellent physical and chemical properties, under normal circumstances it is stable, no obvious side effects.

## TECHNICAL SPECIFICATION

| Index                               | Standard          |
|-------------------------------------|-------------------|
| Appearance                          | Crystalline solid |
| Content (SiO <sub>2</sub> ) by wt % | 60 min            |
| Content (MgO) by wt %               | 30 min            |
| Particle                            | 1250 mesh         |

## MAIN APPLICATION

1. In the coating industry, talcum powder as the filler plays a role of skeleton, reduce manufacturing cost and improve hardness of the coating film.
2. In plastic industry, inorganic fillers play an important role in the plastic modification, become a indispensable modified additives. The addition of talc powder can change a variety of performance of plastic.
3. In paper industry, it nominantly has good features: to improve filler retention and improve paper smoothness; keep the properties of stability.
4. Used as additives for food industry and pharmaceutical industry.

## PACKING AND SHELF LIFE

Packing: 25/50kg PP Bag with PE Liner

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

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