

## TECHNICAL DATA SHEET

Product Code: TC-36

### **BASIC DESCRIPTION OF THE PRODUCT:**

Talc or talcum is a clay mineral composed of hydrated magnesium silicate with the chemical formula  $H_2Mg_3(SiO_3)_4$  or  $Mg_3Si_4O_{10}(OH)_2$ . In the form of fine powder commonly used as a filler in a variety of industrial products.

### **ASSAY (complexometric; calculated on dried substance)**

Substance insoluble in acetic acid	< 0.1 %
Substance insoluble in hydrochloric acid	< 0.1 %
Chloride (Cl)	< 0.02 %
Fluoride (F)	< 0.005 %
Sulphate ( $SO_4$ )	< 0.05 %
Heavy Metals (as Pb)	< 0.002 %
As (Arsenic)	< 0.0003 %
Ba (Barium)	passes test
Fe (Iron)	< 0.002 %
Hg (Mercury)	< 0.00005 %
Pb (Lead)	< 0.0003 %
Magnesium and alkali metals	< 0.2 %

### **PHYSICAL PARAMETER:**

Appearance	White Powder
Fineness: #	
· Residue on a 45 $\mu m$ / 325 mesh sieve (ISO 787/7)	nil
· Top cut (d97)	5 $\mu m$
· Mean particle size (d50)	2 $\mu m$
· Particles < 2 $\mu m$	40 %
Whiteness: #	
· Brightness ( $R_y$ , $C/2^\circ$ , DIN 53163)	93 %
Moisture ex works (ISO 787/2)	0.3 %
Bulk Density	0.75 gr/ml
pH	9



Specialty Chemicals & Minerals

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**MAIN APPLICATION:**

Plastics:

- + Polyolefin Compound / Masterbatch for molding and film
- + Rigid, Semi Rigid & Plasticized PVC

Paints:

- + Interior & Exterior Emulsion Paint
- + Brushing Enamel
- + Primers

Paper:

- + Wall & Coated Paper
- + Alkaline sizing System

Others:

- + Adhesive & Sealants
- + Cosmetics

**STANDARD PACKAGING:**

# Small Bag of 25 kg