

## AgM.T30

### Technical Data Sheet

**General Information:** High White Industrial 350 mesh

Talc, also known as Hydrated Magnesium Silicate or (Soapstone)  $Mg_3Si_4O_{10}(OH)_2$ , is a natural mineral found in certain parts of the world. Talc is a soft, non-abrasive inert mineral powder that acts as a functional filler in paints, thermoplastics, rubber and adhesives. Its flaky or plate-like structure provides structural strength or reinforcement; heat resistance; pigmentation; opacity; rheology; and resistance in a variety of applications.

The Talc vein determines, colour, purity, and structure. The ore is then milled to the required particle size affecting other properties like oil absorption. No two Talc veins are the same so it's important to pick the correct Talc for each application.

### Mineralogical Composition

Hight purity talc which contains trace quantities of dolomite, magnesite and or chlorite

### Typical Chemical Analysis

|                                   |           |
|-----------------------------------|-----------|
| No detectable amounts of asbestos |           |
| Free Quartz                       | <0.1 %    |
| MgO                               | 31- 33 %  |
| SiO <sub>2</sub>                  | 60- 62 %  |
| Al <sub>2</sub> O <sub>3</sub>    | < 0.5 %   |
| Fe <sub>2</sub> O <sub>3</sub>    | < 0.2 %   |
| CaO                               | < 0.3 %   |
| Loss of Ignition                  | < 5 %     |
| pH                                | 7.5 +/- 1 |

### Typical Particle Size Analysis

|                          |      |
|--------------------------|------|
| Top cut D97              | 52 μ |
| Median particle size D50 | 12 μ |
| Lower cut D10            | 4 μ  |

### Typical Optical Analysis

|           |    |      |
|-----------|----|------|
| Whiteness | L* | > 90 |
|-----------|----|------|

### Typical Physical Analysis

|                     |                    |
|---------------------|--------------------|
| Tapped Bulk Density | 0.85 +/- 0.1 gm/cc |
| Oil Absorption      | 49 g/100g          |
| Moisture            | <0.5 %             |
| Hardness            | 1 Mohs             |

### Other

|                    |                              |
|--------------------|------------------------------|
| Storage Conditions | Dry storage                  |
| Shelf Life         | 5 yrs. from manufacture date |
| Packaging          | Dry powder, 25Kg bags        |

While the data presented in this information sheet reflects the present state of our knowledge and is believed to be accurate and reliable, it is provided without liability as a courtesy only and is to be used and relied upon at the reader's sole risk. Readers should make their own determination as to the suitability of any product for a particular use. We recommend that readers conduct their own product trials before using any particular product. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties rights. The recommendations contained herein do not constitute a warranty, either express or implied, as to the fitness or suitability of any product for a particular purpose.