



Specialty Chemicals & Minerals

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**TECHNICAL DATA SHEET**

Product Code: TCC NRS 3000A

**BASIC DESCRIPTION OF THE PRODUCT:**

Surface Treated Calcium Carbonate Superfine Powder, additive added, also known as coated calcium carbonate or activated calcium carbonate, produces calcium carbonate with characteristics and properties; smoother, slicker, more fluidity & flow ability, easier to blend with the material base. Surface treatment of calcium carbonate increase the interface structure and distribution, increase the adhesion of matrix / filler, thus increasing the tensile strength, thermal stability and other mechanical properties

**CHEMICAL ANALYSIS\*:**

CaCO <sub>3</sub>	99.41 %
MgCO <sub>3</sub>	0.44 %
Fe <sub>2</sub> O <sub>3</sub>	0.01 %
HCL insoluble content	0.2 %
Substance insoluble in acetic acid	0.2 %
pH Value	9 - 10
Oil absorption	20.0 g/100 g

**PHISYCAL PROPERTIES\*:**

Appearance	White Powder
Fineness: #	
· Residue on a 45 µm sieve (ISO 787/7)	0.0 %
· Top cut (d97)	5 µm
· Mean particle size (d50)	1.6 µm
· Particles < 1.6 µm	40 %
Whiteness: #	
· Brightness (Ry, C/2°, DIN 53163)	95 %
Moisture ex works (ISO 787/2)	0.3 %
Bulk Density	0.7 gm/cc

\*) before additive applied

**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

**STANDARD PACKAGING:**

- Small Bag of 25 kg