

Micro China Clay Powder

Filler — Micronised Kaolin

Document No.	TI/TDS/CLAY-02	Grade Code	TI-CLAY-MICRO
Issue Date	06-08-2026	Revision	00

Micronised china clay (kaolin) powder.

Typical applications: Rubber, paints, cable compounds & PVC.

Specifications

Parameter	Typical Value
Silicon dioxide (SiO ₂)	49.4% ± 2.0
Aluminium oxide (Al ₂ O ₃)	35.8% ± 1.0
Ferric oxide (Fe ₂ O ₃)	0.04% ± 0.3
Calcium oxide (CaO)	0.5% ± 0.2
Magnesium oxide (MgO)	0.50% ± 0.2
Potassium oxide (K ₂ O)	0.25% ± 0.10
Mean particle size, d50	4.7 µm
Loss on ignition (LOI)	13.2% ± 1
Specific gravity	2.6
Brightness (creamish white)	81.0%
pH (5% solution)	9.4 ± 1.0
Residue on 500 mesh	Nil
Heat loss	1.0% ± 1

Values follow the supplier TDS (d50 4.7 µm). An earlier internal transcription showed SiO₂ 46.4% and d50 0.8 µm — verify before customer issue.

Disclaimer: Values are typical and given in good faith; they are subject to normal production tolerance and do not constitute a warranty. The buyer is responsible for verifying suitability for their own application and process.