



Technical Data Sheet

DG80

Product description:

DG80 calcined kaolin is a popular type grade with high brightness, reasonable particle distribution and medium oil absorption. It is providing good opacity and tinting ability in coating formulation performing as extender of titanium dioxide. It is also high cost effective functional filler for paper, plastic, rubber, electrical wire etc.

Chemical Name: Anhydrous aluminum silicate

Main application: Coating, paper, plastic, rubber, electrical wire.

Typical Properties:

Properties	Standard
Brightness (TAPPI, %)	≥95
Brightness (ISO R457, %)	≥93
Particle size ($-2\ \mu\text{m}$, %)	80 ± 2
Average particle size ($D_{50}, \mu\text{m}$)	1.0 ± 0.1
Screen residue (325 mesh, %)	≤0.005
Oil absorption ($\text{g}/100\text{g}$)	60 ± 5
Moisture (%)	≤0.5
pH	6.0-8.0

Chemical Components:

SiO_2 (%)	Al_2O_3 (%)	Fe_2O_3 (%)	TiO_2 (%)	CaO (%)	Na_2O (%)	K_2O (%)	MgO (%)
52 ± 2	45 ± 2	≤0.8	≤1.3	≤0.5	≤0.2	≤0.1	≤0.2