

BOGITALC™ 55PW

FUNCTIONAL MINERAL FILLER

PRODUCT IDENTIFICATION

Chemical Name: Talc
Physical Form: White powder
CAS Number: 14807-96-6

BOGITALC™ 55PW is a finely divided talc based on hydrated magnesium silicate, with the chemical formula $\text{Mg}_3\text{Si}_4\text{O}_{10}(\text{OH})_2$. It is used as a mineral filler, processing aid, thickening agent and lubricant in a variety of industrial formulations.

SPECIFICATION

Properties	Test Methods	Units	Values
SiO ₂ Content	-	%	55 ± 1
Al ₂ O ₃ Content	-	%	1.30
Fe ₂ O ₃ Content	-	%	0.40
CaO Content	-	%	0.80
MgO Content	-	%	33 ± 1
Loss on Ignition (LOI)	-	%	8 ± 2
R-457 Whiteness	DIN 53163	-	88 ± 1
Yellowness Index (E313)	DIN 6167	-	3 ± 1
L Value	ISO 787-1	-	96
a Value	ISO 787-1	-	0.10
b Value	ISO 787-1	-	1.50
Moisture Content (105°C)	ISO 787-2	%	0.50
Bulk Density	ISO 787-10	g/cm ³	0.33 ± 0.05
Hardness	Mohs Scale	-	1
Oil Absorption	ISO 787-5	%	44 ± 1
Particle Size	ISO 787-7	µm	3.50 ± 0.5

APPLICATIONS

- Ceramic formulations
- Paints and coatings
- Wire and cable compounds
- Roofing materials
- Cosmetic formulations
- Mineral-filled polymer compounds

PACKAGING & STORAGE

- **Packaging:** 1 pallet: 1,000 kg.
- BOGITALC™ 55PW should be stored away from direct sunlight and heat ($T < 30^\circ\text{C}$). The product should be used within 6 months of its production date.

IMPORTANT NOTICE

Please read the Material Safety Data Sheet (MSDS) carefully before using this product.