CACO3

CACO3 Coated CaCO3 powder

STEARIC-ACID SURFACE-COATED GROUND CALCIUM CARBONATE POWDER

A fine ground calcium carbonate powder produced from high-purity white limestone and surface-treated with stearic acid to improve dispersion in the polymer matrix and reduce moisture pickup during storage and handling. The surface coating lowers surface energy and hydrophilicity relative to the uncoated grade, giving easier wet-out and more uniform distribution at high filler loadings.

Typical Application	Product Characteristics
• PVC compounds (pipe, profile, cable) • Polyolefin compounding • Coatings • Plastic packaging	• Stearic acid (calcium stearate) surface coating for improved dispersion and reduced moisture pickup • Same base chemistry and purity as the uncoated grade • Sourced from limestone mined in Tan Ky and Quy Hop districts, Nghe An province

Physical Properties

Properties	Test Method	Typical Value	Unit
Surface Treatment		Stearic acid coating	
CaCO3 Content		98.98	%, min
MgCO3 Content		0.21	%, max
Fe2O3 Content		0.02	%, max
Al2O3 Content		0.03	%, max
SiO2 Content		0.12	%, max
Brightness		96.00	%, min
Whiteness		97.00	%, min
Moisture (Ex-work)		0.20	%, max
Density (Raw Material)		2.7	g/cm³
Oil Absorption		25	g/100 g, max

1. The producer's published specification table covers the uncoated raw material; the coated grade shares the same base chemistry and purity, with an added stearic acid surface treatment for dispersion and moisture performance that is not separately quantified in the source literature.
2. The nominal properties reported herein are typical of the product and do not reflect normal testing variance; they should not be used for specification purposes.