Basekim
Chemical Production Co.Ltd.

Technical Data Sheet (TDS)

Calcium Carbonate ($CaCO_3$)

1. Product Description

Calcium Carbonate ($CaCO_3$) is a naturally occurring inorganic mineral widely used as a filler, extender, and functional additive across multiple industries. It is derived from high-purity limestone, marble, or chalk and processed into fine powder or granules.

2. Chemical Information

Property	Specification
Chemical Name	Calcium Carbonate
Chemical Formula	$CaCO_3$
Molecular Weight	100.09 g/mol
CAS Number	471-34-1
HS Code	28365000
Appearance	White powder
Odor	Odorless

3. Typical Physical & Chemical Properties

Parameter	Unit	Value
Purity ($CaCO_3$)	%	≥ 98
Whiteness	%	90 – 98
Brightness	%	90 – 96
Bulk Density	g/cm^3	0.7 – 1.2
True Density	g/cm^3	2.6 – 2.8
Moisture Content	%	≤ 0.3
pH (10% suspension)	—	8.5 – 9.5
Oil Absorption	g/100g	15 – 30
Particle Size (D50)	µm	2 – 20 (customizable)

4. Particle Size Distribution (Typical Grades)

Grade	Mesh	D50 (µm)
Fine	800 – 1250 mesh	5 – 10
Ultra Fine	1500 – 2500 mesh	2 – 5
Coarse	200 – 400 mesh	20 – 75

İLKBAHAR MAH. GALİP ERDEM CD.FAHREDDIN PASA (613) SOKAK, NO.6, ÇANKAYA ANKARA/TURKEY
00903125147074
00903125147081
info@basekim.com
www.basekim.com