

Uncoated Ground Calcium Carbonate

High-purity, uncoated ground calcium carbonate classified by controlled particle-size distribution for industrial formulations. Grade selection should be confirmed against the customer application and process.

Particle Size Distribution

Particle-size property	Typical value	Unit
D97	11-13	micron
D50	2.6-3.0	micron
Particles below 2 micron	36-40	%

Grade-Specific Physical Properties

Physical property	Typical value	Unit
Brightness (RY)	97.5 +/- 1	%
Yellow index	2.7 max	-
Oil absorption	19 +/- 0.5	g/100 g
DOP absorption	32 +/- 0.5	g/100 g
Loose bulk density	0.57 +/- 0.05	g/cm3

Chemical analysis	Typical value
CaCO ₃	99.60%
CaO	55.64%
MgO	0.15%
Fe ₂ O ₃	0.001%
Al ₂ O ₃	0.001%
SiO ₂	0.01-0.03%
Loss on Ignition	43.95%

Common property	Typical value
Refractive index	1.59
pH value	9 max
Hardness (Mohs)	3
Moisture	0.20% max
PSD method	Laser diffraction (Malvern)

Recommended Applications

Paints • Rubber moulding • Sealants • Adhesives

Packing: 25 kg export bags and jumbo bags. Palletising, marking and loading are confirmed according to the order.

Storage: Keep dry and protected from contamination. Avoid generating or breathing airborne mineral dust during handling.

Technical note: Values are typical product data and are not shipment guarantees. The final commercial specification and lot-specific results are confirmed in the quotation and applicable Certificate of Analysis.

Document: TDS-BIL-GCC-U012-R01 | Release: 20.4.8