TECHNICAL DATA SHEET

Coated Ground Calcium Carbonate

BIL-GCC-C011R

High-purity ground calcium carbonate surface-treated with stearic acid for improved compatibility and dispersion in selected polymer and compound applications.

Particle Size Distribution

Particle-size property	Typical value	Unit
D97 before coating	10-11	micron
D50 before coating	2.5-2.8	micron
Particles below 2 micron	38-42	%

Surface Treatment and Grade-Specific Properties

Treatment / physical property	Typical value	Unit
Surface treatment	Stearic acid	-
Stearic acid treatment level	11-12	kg/ton
Oil absorption	15.6 +/- 0.5	g/100 g
Brightness (RY)	97.5 +/- 1	%
Loose bulk density	0.81 +/- 0.05	g/cm3

Chemical analysis	Typical value
CaCO3	99.60%
CaO	55.64%
MgO	0.15%
Fe2O3	0.001%
Al2O3	0.001%
SiO2	0.01-0.03%
Loss on Ignition	43.95%

Common property	Typical value
Surface treatment	Stearic acid
Refractive index	1.59
pH value	9 max
Hardness (Mohs)	3
Moisture	0.20% max
PSD method	Laser diffraction before coating

Recommended Applications

Raffia • PVC applications • Filler masterbatch • Non-woven applications

Grade positioning: Specialized raffia grade.

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

Storage: Keep dry, sealed and protected from moisture and contamination. Avoid generating or breathing airborne mineral dust.

Technical note: Values are typical product data. Final commercial specification, treatment level and lot-specific results are confirmed in the quotation and applicable Certificate of Analysis.

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