

CALCICARB FOR ADHESIVES AND SEALANTS

Product Properties:

Calcium carbonate (CaCO_3) is one of the most commonly used mineral fillers in the industry, and its use in adhesives and sealants has a broad application spectrum. A lot of new polymer-based systems for applications sealants have been developed to be much faster reacting than in the past. **CALCICARB KA** is the trade name for natural white marble-based products manufactured in Kainach/Graz in Austria, where compact-grown marble is mined in open pit, washed, dried and automatically classified.

UNIVERSAL FILLERS FOR BONDING SYSTEMS

Key Benefits at a glance:

- Milled natural calcium carbonate
- Natural brightness
- Steep slope of PSD ("low on fines")
- Improved performance of plastics
- Very high filling levels possible
- Broaden application spectrum
- Improved extrusion of plastic granules
- Germ – free and free from organic pollutants



2019-02-22/Version 1/OK

Alpha Calcit Füllstoff Gesellschaft mbH & Co. KG

D-50971 Köln Postfach 50 11 06
D-50997 Köln Otto-Hahn-Str. 9-11

Telefon: +49 2236 8914-0
Telefax: +49 2236 40644

Email: info@alpha-calcit.de
Internet: www.alpha-calcit.de

Die in unseren Informationen und Druckschriften angegebenen Werte sind Durchschnittswerte ohne Rechtsverbindlichkeit.
The data indicated on our data sheets and printed matters represent average values and are not legally binding.

CALCICARB FOR ADHESIVES AND SEALANTS

Introduction:

The addition of calcium carbonate to plastics is not just done to cut costs, but also contributes to higher performance, improved processing and improved sustainability of the finished product. Higher filling factors, improvement of rheological properties, economic advantages because can be reached by application of functional fillers in adhesives and sealants. **CALCICARB 10 KA**, **CALCICARB 20 KA** and **CALCICARB 30 KA** are fillers based on marble, manufactured in several steps using special grinding and classifying techniques under permanent quality control.

CALCICARB 10 KA, **CALCICARB 20 KA** and **CALCICARB 30 KA** are characterized by natural brightness, a steep slope of the particle size distribution curve and an exact top-cut which enables the user to achieve highest filling factors. Main application areas are putties, paints, plastics, adhesives, etc.

Chemical and Physical Data:

Composition:	Milled natural calcium carbonate
Activity:	100 % active by weight
Color:	White with very light grey whiff
Form:	Fine powder

Name of product	Average particle size D50, [µm]	Whiteness Ry	Sieve residue >40 µm [%]	Sieve residue >63 µm [%]	Sieve residue >100 µm [%]	Moisture [%]	Bulk density (untamped) [g/ml]
CALCICARB 10 KA	10	85	< 0,5			< 0,2	0,9
CALCICARB 20 KA	20	85		< 0,5		< 0,2	1,0
CALCICARB 30 KA	28	83			< 0,2	< 0,2	1,3

Application examples:

Adhesives:

- One-component sealants (based on hybrid network materials and silicone)

Sealants / glues:

- One-component sealants (based on MS polymer, hybrid network materials, silicone)
- Crosslinking polymer preparations



Picture: Alpha Calcit Füllstoffgesellschaft ©

2019-02-22/Version 2/OK

Alpha Calcit Füllstoff Gesellschaft mbH & Co. KG

D-50971 Köln Postfach 50 11 06 Telefon: +49 2236 8914-0 Email: info@alpha-calcit.de
 D-50997 Köln Otto-Hahn-Str. 9-11 Telefax: +49 2236 40644 Internet: www.alpha-calcit.de

Die in unseren Informationen und Druckschriften angegebenen Werte sind Durchschnittswerte ohne Rechtsverbindlichkeit.

The data indicated on our data sheets and printed matters represent average values and are not legally binding.

