



KETTLITZ-Kezadol PCI

- Technical leaflet -

Kezadol PCI is a surface treated calcium oxide powder for use as an effective desiccant. The calcium oxide is coated by a chemically indifferent hydrocarbon. Due to this preparation Kezadol PCI has a reduced air pollution. Additionally there will not be any unintended reaction with humidity.

Kezadol PCI can be used in PVC-plastisols, for carpet-back layers, polysulfide- and silicone-compounds, polyurethane-systems as well as for metal-pigment-colors containing solvents.

It can be used also in rubber industry for continuous pressureless vulcanization (UHF-, LCM-, Hot-Air-Curing) for polar polymers (e. g. NBR) or when standing times of the compounds between mixing and extrusion are very short (less than 6 hours).

By reaction with water the calcium oxide particles will become 2–3 times bigger and due to this we are using only a special fine grade of calcium oxide with a particle size in average of just 7 μ . Therefore by using Kezadol PCI a damaging of the surface of the finished compounds caused by white specks can be avoided.

The dosage level of Kezadol PCI depends on the moisture of the several compounds. Considering the active content of calcium oxide we can say that 70 grams of Kezadol PCI are able to absorb 18 grams (= 1 mol) of water.

Properties

Chemical Characteristics	calcium oxide coated by special dispersing agents
CaO content (%)	89 \pm 2
Appearance	light-grey powder
Density at 20 °C (g/cm ³)	approx. 2.73 (mathematically)
Physiol. Behavior	see safety data sheet
Storage Stability	1 year under cool and dry storage conditions in sealed packing
Packing	paper bags with PE inner lining of 12.5 or 25 kg net in big card boxes of 450 kg, on pallets (standard for Europe) or loose in paper bags with aluminium innerliner in cardboard boxes of 12.5 kg net on pallets of 1 000 kg net each (standard for over-seas).

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