

PRODUCT SHEET

CERATOSIL® WG**Description:**

CERATOSIL® WG is a white, light-burning calcium bentonite with low content of colouring metal salts (Fe_2O_3 , TiO_2 , MnO_2) for use in the rubber industry, as well as for processing colour-sensitive products in the ceramics and building materials industries. It exhibits its plasticising, stabilising and shaping effect and prevents from settling. In addition to that, extrusion and manufacturing processes are optimised by its viscosifying behaviour.

CERATOSIL® WG ist ein weißer, hellbrennender Calciumbentonit mit niedrigem Metallgehalt (Fe_2O_3 , TiO_2 , MnO_2) für den Einsatz in der kautschukverarbeitenden Industrie, sowie die Keramik- und Baustoffindustrie, in der farbempfindliche Produkte verarbeitet werden. Er entfaltet seine plastifizierende, stabilisierende und rheologische Wirkung in fester und flüssiger Form. Extrusionsverhalten und Herstellprozess werden optimiert.

TYPICAL PROPERTIES

| | |
|--|---------------------------|
| Color | white |
| Form | powder |
| Moisture content | 6-14% |
| Bulk density | 700-800 kg/m ³ |
| methylen blue adsorption | 250-350 mg/g |
| Swelling volume (H ₂ O dest.) | approx. 10 ml/2 g |
| Enslin-Neff (H ₂ O dest., 24 h) | approx. 500% |
| pH value | 9-10 |
| Sieve residue (>63 µm dry) | 10-30% |
| Whiteness (Elrepho, R 457nm) | approx. 82% |

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MINERALOGICAL COMPOSITION

| | |
|-------------------------------|-----------------|
| Main mineral | Montmorillonite |
| Accompanying minerals: | |
| Quartz | 0-1% |
| Feldspar | 1-5% |
| Calcite | 0-2% |
| Cristobalite | 1-3% |

CHEMICAL COMPOSITION

| | |
|--------------------------------|-------|
| SiO ₂ | 66% |
| Al ₂ O ₃ | 16% |
| TiO ₂ | 0.1% |
| Fe ₂ O ₃ | 1% |
| MgO | 3% |
| CaO | 2% |
| Na ₂ O | 1% |
| K ₂ O | 1% |
| MnO ₂ | 0.05% |
| Loss of ignition (1000°C) | 7% |
| Fluoride | 0.3% |

The expressed values of the accompanying components can vary by ± 20% due to natural dispersion of the raw material.

Packaging: bulk, big bags, bags

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