

Product Data Sheet



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SiLibeads Ceramic beads Type ZA

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Product: SiLibeads Ceramic beads Type ZA

Material: Ceramic beads made of Zirconium-Aluminium-Oxide, Cerium stabilized

Application:

- grinding and dispersion of coating and paint systems
- organic/inorganic pigments, e.g. titanium dioxide, ultra marine, iron oxide, etc.
- technical/mechanical components
- dispersion of fungicides, herbicides, insecticides
- grinding of minerals and precious metals

Advantages:

- useable for all modern types of mills (vertical and horizontal)
- excellent crystal structure avoids bead breakage

Technical Data:

Specific Weight: 5.3 kg/l
Bulk Density: 3.3 kg/l
Micro-Hardness: 1050 HV₁₀
Colour: Cream-coloured

Sizes (further sizes are available upon request):

| Article No. | Size Range |
|-------------|----------------|
| 9105-70 | 0.40 – 0.60 mm |
| 9107-70 | 0.60 – 0.80 mm |
| 9109-70 | 0.80 – 1.00 mm |
| 9111-70 | 1.00 – 1.20 mm |
| 9113-70 | 1.20 – 1.40 mm |
| 9115-70 | 1.40 – 1.60 mm |
| 9117-70 | 1.60 – 1.80 mm |
| 9119-70 | 1.80 – 2.00 mm |
| 9121-70 | 2.00 – 2.20 mm |
| 91235-70 | 2.20 – 2.50 mm |
| 91265-70 | 2.50 – 2.80 mm |
| 9130-70 | 2.80 – 3.20 mm |

Chemical Analysis; Zirconium-Aluminium-Oxide beads, Cerium stabilized:

| Name | Method | Weight (reference values) | CAS-No. | EINECS |
|---|-----------|---------------------------|-------------------------|------------------------|
| Zirconium dioxide ZrO ₂ ⁽¹⁾ + Hafnium dioxide HfO ₂ ⁽¹⁾⁽²⁾ | DIN 51001 | < 67 % | 1314-23-4 12055-23-1 | 215-227-2 235-013-2 |
| Aluminium oxide Al ₂ O ₃ | DIN 51001 | > 20 % | 1344-28-1 | 215-691-6 |
| Cerium dioxide CeO ₂ | DIN 51001 | < 13 % | 1306-38-3 | 215-150-4 |
| others | | < 2 % | | |

⁽¹⁾ Traces of naturally occurring uranium (U) and thorium (Th) are present in concentrations of < 0.05 %.

⁽²⁾ natural origin (residue from processing of raw material Zircon sand)

Additional Information:

Storage indication: Store in a dry manner in closed (original) container by room temperature.
Disposal: Please consult national laws and local regulations in force for disposal or landfill.
Safety advice: High risk of slipping due to spillage of product.

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All data are reference values – subject to change without prior notice