

Product Data Sheet



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SiLibeads Ceramic beads Type ZA 5.3

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Product: SiLibeads Ceramic beads Type ZA 5.3

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