



SiLibeads Type A 92.0

First created on: 2021-01-20 Updated on: 2021-01-21
 Next inspection on: 2021-12-31 Printed on: 2021-01-21

Version: V1/2021

Product:	SiLibeads Type A 92.0
Material:	Ceramic beads made of Aluminium oxide and Silicon dioxide
Properties:	High hardness
Technical Data:	Al ₂ O ₃ 91.0 – 93.0 % and SiO ₂ > 5.0 % and others ≤ 4.0 %
Specific Weight	≥ 3.7 kg/dm ³
Bulk Density	≥ 2.2 kg/dm ³
Roundness	≥ 0.93 (ratio width/length (x _{min} /x _{max}))
Colour	white
Advantages:	<ul style="list-style-type: none"> - High purity raw materials - Useable for high-grade grinding of pigments, dyes, inks, especially for very hard materials - Useable for grinding of minerals and precious metals in the mining industry - Useable in wet grinding processes - Useable for all modern mills and high energy mills. - No radioactivity in comparison to ceramic beads made of zirconium silicate and therefore no contamination of the grinding product and no costly disposal of the beads. - Environmentally friendly

Standard sizes (special sizes are available upon request):

Article	Diameter
92025-92	0.2 – 0.3 mm
92035-92	0.3 – 0.4 mm
9205-92	0.4 – 0.6 mm
9206-92	0.5 – 0.7 mm

Chemical Analysis; Beads made of sintered mixture of Aluminium Oxide and Silicon Dioxide:

Name	Method	Weight (reference values)	CAS-No.	EINECS
Aluminium Oxide Al ₂ O ₃	DIN 51001	91 - 93 %	1344-28-1	215-691-6
Silicon dioxide SiO ₂ ⁽¹⁾⁽²⁾	DIN 51001	> 5 %	7631-86-9	231-545-4
others	DIN 51001	≤ 4 %		

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

⁽²⁾ Silica glass, free from crystalline forms of silica

Product Data Sheet



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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.
Product information: Safety Data Sheet SiLibeads Type A 92.0

Manufacturer/Supplier:

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