

Product Data Sheet



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SiLibeads Roadmarking Beads

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Product: SiLibeads Glass beads for Roadmarking

Material: Polished Glass beads made of soda lime glass
Hydrolytic: DIN ISO 720 HGB 3
Acidic class: DIN 12116 S 1
Alkaline class: DIN ISO 695 A 1

Application: Reflection beads for road marking, specially to improve the visibility at night in case of rain, Type II marking

Technical Data:

Roundness: ≥ 0.95 (ratio width/length (x_{\min}/x_{\max}))
Refractive index: 1.52

Standard Sizes – further special diameters available by request:

Article	Diameter	Specific Weight	Bulk density
45015	0.40 – 0.60 mm	2.50 kg/l	1.47 kg/l
45016R	0.40 – 0.80 mm	2.50 kg/l	1.48 kg/l
4502	0.50 – 0.75 mm	2.50 kg/l	1.48 kg/l
45021R	0.60 – 0.90 mm	2.50 kg/l	1.49 kg/l
45025R	0.60 – 1.30 mm	2.50 kg/l	1.50 kg/l
4503	0.80 – 1.00 mm	2.50 kg/l	1.50 kg/l
4504	1.00 – 1.30 mm	2.50 kg/l	1.51 kg/l
45045R	0.60 – 1.50 mm	2.50 kg/l	1.51 kg/l
4505	1.25 – 1.65 mm	2.50 kg/l	1.51 kg/l
4506	1.55 – 1.85 mm	2.50 kg/l	1.52 kg/l

Chemical Analysis; Glass beads made of soda lime glass; CAS-Nr. 65997-17-3 / EINECS 266-046-0:

Name	Method	Weight	CAS-No.	EINECS
Silicon dioxide SiO ₂	DIN 51001	72.30 %	7631-86-9	231-545-4
Sodium oxide Na ₂ O	DIN 51001	13.30 %	1313-59-3	215-208-9
Calcium oxide CaO	DIN 51001	8.90 %	1305-78-8	215-138-9
Magnesium oxide MgO	DIN 51001	4.00 %	1309-48-4	215-171-9
further		1.50 %		

The heavy metal content of the Glass beads are within the permitted limits of RoHS

EC Certificate of Conformity No. 0780-CPD-85103:

TÜV Rheinland LGA Bautechnik GmbH Glass has established through thorough examinations, that the glass beads are conform for road marking according to EN 1423:2012 and AC:2013.

Additional Information:

Storage indication: Store in a dry manner in closed (original) container at 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 Reflecting Beads

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