

Product Data Sheet

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Produkt	SiLibeads Glass beads for Roadmarking
Material	Polished Glass beads made of soda lime glass Hydrolytic class tested on glass beads: DIN ISO 720 HGB 2 Acidic class tested on glass beads: DIN 12116 S2 Alcaline class tested on glass beads: DIN ISO 695 A1
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
Manufacturer/Supplier	Sigmund Lindner GmbH; Oberwarmensteinacher Straße 38; D-95485 Warmensteinach / GERMANY Phone: +49-9277-9940 Web: www.sili.eu Fax: +49-9277-99499 E-Mail: sili@sigmund-lindner.com

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