



UNITED BOLTEN BEADS

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TECHNICAL DATA SHEET

GLASS BEAD FOR ROAD MARKING

GB 1423, GB 1424

DESCRIPTION

Glass Bead for Road Marking:

Improve the road marking line contrary reflection function. When driving at night, the lamp shines on the marking line with glass bead in it, the ray of lamp is reflected back parallelly. So the driver can look at the road clearly and drive safely at night.

TYPICAL SPECIFICATION

Two different beads size distribution according to EN1423/EN1424 standard.

(EN1423/EN1424 standard)

Item	Glass bead size(μm)	Glass bead retained(%)
GB 1423	1180	0-2
	1000	0-10
	850	0-20
	600	40-80
	425	80-100
	355	95-100
GB 1424	710	0-2
	600	0-10
	355	30-70
	212	70-100
	125	95-100

Choices of different size glass bead between 0 μm -1180 μm according to different functions.

Products can meet international standard including English BS6088, AASHTO M247-81 (1996) standard etc.

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TECHNICAL REQUESTS

Appearance: Colorless and transparent ball, no visible bubbles and impurity.

Spherical beads: $\geq 80\%$ ($600 < \text{Sieve size} < 850\mu\text{m}$, spherical beads $\geq 75\%$).

Density: 2.4-2.6g/cm³.

Refractive index: $N_d \geq 1.50$

Glass bead composition: The glass bead is made of sodium and calcium. $\text{SiO}_2 > 68\%$

PACKAGING

Using double-deck package, the inner is polythene film and its thickness is not less than 0.5mm, the outer is plastic woven bag to prevent leak or damp. The net weight of each bag is $25 \pm 0.2\text{kg}$, $1000 \pm 8\text{kg}$, or according to clients' requirement.

COMPARISON TABLE OF INTERNATIONAL STANDARD SIEVE SIZE AND MESH

Standard sieve size(μm)	Standard Mesh
1180	16
850	20
600	30
425	40
300	50
212	70
180	80
150	100
106	140
90	170

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