



UNITED BOLTEN BEADS

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TECHNICAL DATA SHEET

GLASS BEAD FOR ROAD MARKING

GB TYPE I, GB TYPE II

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 AASHTO M247-81 (1996) standard.

(AASHTO M247-81 (1996) standard)

Item	Glass bead size(μm)	Glass bead percentage(%)
GB TYPE I	>850	0
	850-600	5-25
	600-300	40-80
	300-150	10-35
	<150	0-5
GB TYPE II	>600	0
	600-425	0-10
	425-300	15-50
	300-180	45-75
	<180	0-5

Choices of different size glass bead between $0\mu\text{m}$ - $1180\mu\text{m}$ according to different functions.

Products can meet international standard including English BS6088, EN1423/EN1424 standard etc.

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TECHNICAL REQUESTS

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

Spherical beads: $\geq 80\%$ (600 < Sieve size < 850 μm , 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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