

# Bonroy International Limited

## TECHNICAL DATA SHEET GLASS BEAD FOR ROAD MARKING

### GB 6088A, GB 6088B

#### **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 BS 6088:1981 standard.

(BS 6088:1981 standard)

Item	Glass bead size scope( $\mu\text{m}$ )	Glass bead quality percentage(%)
GB 6088A	>1180	0-3
	1180-850	5-20
	850-425	65-95
	<425	0-10
GB 6088B	>850	0-5
	850-600	5-20
	600-300	30-75
	300-180	10-30
	<180	0-15

Choices of different size glass bead between 50  $\mu\text{m}$ -1180  $\mu\text{m}$  according to different functions.

Products can meet international standard including AASHTO M247-81 (1996), Japanese JIS R330, Korean KS L2521 and Chinese JT/T 446-2001.

#### **TECHNICAL REQUESTS**

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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/cm<sup>3</sup>.

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( $\mu\text{m}$ )	Standard Mesh
1180	16
850	20
600	30
425	40
300	50
212	70
180	80
150	100
106	140
90	170