



**ABWAB AL JAZEERA**

# Glass Beads Catalog

**ABWAB CORPORATION**

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## Description:

Glass beads are small glass sphere used in highway signs and road markings to provide the necessary reflectivity. Marking Without glass beads are useless at night.

We are equipped with the latest technology of producing glass beads from recycling process with the capacity of 12000 MT annually. Waste glass from different manufacturers (usually from window producers) is crushed and changed to spherically shape glass beads.

## characteristics

- Pure raw material
- Refractive index 1.5
- Sieving based on customer order
- High degree of roundness
- Custom-coating available
- Highly transparent appearance

## G-drop

Drop-on beads applied on the surface of marking using pressurized air or gravity which provide the high staring reflection. The most important factor in retro reflectivity of drop-on beads is embedment.

Proper embedment should be in the range of 50% - 60% of the bead diameter in order to maximize the performance. Our proficiency in road marking applications help us to figure out the best sieve curve for drop-on beads using in cold paints, G-drop-C and hot melt thermoplastic, G-drop-H.

## Premix Glass beads

As the road marking materials wears, the glass beads that are blended in the material, Premix glass beads are exposed to give continuous retro reflectivity.

Premix glass beads usually used for hot-melt thermoplastic road marking due to their thickness.



### G-Drop-C

Drop-on glass beads for cold paint  
 Reflective index 1.5  
 Custom coating available  
 Roundness >80%

Sieve	G-Drop-C
710 $\mu\text{m}$	0 to 2
600 $\mu\text{m}$	0 to 10
355 $\mu\text{m}$	5 to 40
212 $\mu\text{m}$	40 to 90
125 $\mu\text{m}$	95 to 100
90 $\mu\text{m}$	99 to 100

### G-Drop-H

Drop-on glass beads for hot paint  
 Reflective index 1.5  
 Custom coating available  
 Roundness >85%

Sieve	G-Drop-H
1 mm	0 to 2
710 $\mu\text{m}$	0 to 10
600 $\mu\text{m}$	10 to 40
355 $\mu\text{m}$	40 to 90
212 $\mu\text{m}$	80 to 100
125 $\mu\text{m}$	95 to 100
90 $\mu\text{m}$	99 to 100

### Premix G-beads

Reflective index 1.5  
 Without Coating  
 Roundness >80%

Sieve	Premix G-beads
1.18 mm	0 to 2
1 mm	0 to 10
710 $\mu\text{m}$	10 to 50
600 $\mu\text{m}$	50 to 80
355 $\mu\text{m}$	80 to 100
212 $\mu\text{m}$	95 to 100
125 $\mu\text{m}$	99 to 100





## Contact Details

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