



Landscapus INC
Products Manual

High Refractive Glass Beads

SPECIFICATION

Name of commodity:	High Refractive Index Glass Beads
Manufacturer:	LandsCapus Inc
<u>PROPERTIES</u>	
A) Color: white B) Round Ratio: $\geq 95\%$ C) Opacity: $\leq 5\%$ D) Specific Gravity: 4.1 ± 0.1 E) Refractive Index: 1.93, 2.2-2.4	
<u>USE</u>	
High Refractive index Glass beads use in Road Marking Paint, Road Board, Road Sigh, Clothes & Bags, Reflective sheeting... It provides excellent night retro-reflectivity.	
<u>SIZE</u>	
<u>Index 1.93 uncoated</u> All ranges between 10-2000um (Min size:10um, Max size:2000um) Recommend: 30-50um; 50-70um;150-850um; 425-1180um;	
<u>Index 1.93 coated</u> All ranges between 10-300um(Min Size: 10um, Max Size:300um) Recommend: 30-50um; 50-70um;70-90um;90-300um;	
<u>Index 2.2</u> All sizes between 10-2000um(Min size:10um, Max size:2000um) Recommend: 10-100um;150-850um; 425-850um;	
Size ranges can be produced according to your needs, eg, 10-20um, 600-1200um...	
<u>PACKING</u>	
NW. : 25kgs/Iron Drum or Paper Drum, 500kgs/Wooden Carton Pallet	



Landscapus Inc, Your Reliable Partner

Airport Marking Glass Beads

Airport pavement markings on runways, taxiways and ramps play an important role in preventing often serious accidents and incursions by guiding airport traffic safely between the air, runways, and parking gates.

TTB-1325D Type I (Gradation A)

1.5 Index glass beads for drop-on applications. The sizing and quality is similar to typical traffic safety and highway markings.

TTB-1325D Type III

1.9 Index glass beads for drop-on applications produces a narrow cone of light due to higher refractive index. Because of their relatively high costs, typically limited to marking airport runways only.

Type IV (Gradation A & B)

Premium quality, large 1.5 Index glass beads for drop-on application. The larger gradation size, higher percentage roundness (+85%), smooth surface and hardness qualities enhance the long-term reflective performance of airport markings even under wet / night conditions.

Gradation, percent by weight, passing

U.S. Sieve #	Microns	Type I				Type III		Type IV			
		A		B		Min	Max	A		B	
		Min	Max	Min	Max			Min	Max	Min	Max
12	1700	---	---	---	---	---	---	100	---	100	---
14	1400	---	---	---	---	---	---	95	100	---	---
16	1180	---	---	---	---	100	---	80	95	95	100
18	1000	---	---	---	---	---	---	10	40	---	---
20	850	100	---	---	---	95	100	0	5	35	70
30	600	80	100	---	---	55	75	---	---	0	5
40	425	---	---	---	---	15	35	---	---	---	---
50	300	18	35	---	---	0	5	---	---	---	---
70	212	---	---	100	---	---	---	---	---	---	---
80	180	---	---	85	100	---	---	---	---	---	---
100	150	0	10	---	---	---	---	---	---	---	---
140	106	---	---	15	55	---	---	---	---	---	---
200	75	0	2	---	---	---	---	---	---	---	---
230	63	---	---	0	10	---	---	---	---	---	---



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