

Technical Data Sheet (TDS)

High Refractive Index Glass Beads

1.93 Index Glass Beads

Introduction

1.93 Index glass beads is used for “Exposed-Lens” type retro-reflective articles, such as open-type reflective sheets, reflective fabric, reflective tape, reflective yarn and “Encapsulated-Lens” type retro-reflective articles, such as high intensity grade reflective sheet.

Technical Data

Composition	TiO ₂ -BaO-SiO ₂ GLASS
Refractive Index	1.93±0.01Nd
Specific Gravity	4.1±0.2 g/cm ³
Color	White
Form	Fine spheres powder
Size	10-120um(can be provided by specific request)
Roundness	≥95%
Opacity	≤1%

2.2 Index Glass Bead

Introduction

2.2 Index glass bead is used for “Enclosed-Lens” type retro-reflective articles, such as engineering grade sheet and super engineering grade sheet which contribute to road signs and traffic safety .

Technical Data

Composition: TiO₂-BaO-ZnO GLASS

Refractive Index	2.2±0.1Nd
Specific Gravity	4.5±0.2 g/cm ³
Color	White
Form	Fine spheres powder
Size	20-120um(can be provided by specific request)
Roundness	≥95%
Opacity	≤5%

Technical Data Sheet (TDS)

1.93 Index Aluminum Coated Glass Bead

Introduction

Aluminum coated glass bead is used for road signs , traffic safety goods and reflective printing ink.,screen printing etc.

Technical Data

Composition TiO₂-BaO-SiO₂ GLASS

Composition	TiO ₂ -BaO-SiO ₂ GLASS
Refractive Index	1.93±0.01Nd
Specific Gravity	4.1±0.2 g/cm ³
Color	Silver Grey
Form	Fine spheres Semi-coated with aluminum
Size	10-120um(can be provided by specific request)
Roundness	≥95%
Opacity	≤1%

Sizes

10microns to 120microns are available.

Typical Sizes: 25-35, 25-38,30-40, 30-45,40-55,50-75, 75-100

Package

25kg / iron barrel (Volume: 28cm x 23cm), lined with two plastic bags, and one dryer placed in.

Net Weight: 25kg/barrel

Gross Weight: 26.7kg/barrel

250kgs/Drum are available for your choice.

Storage

Dry and sheltered