

## Specifications of Magmaple glass beads:

### STANDARD AASHTO M247 TYPE I

#### PHYSICS AND CHEMISTRY FUNCTION

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

#### PARTICLE SIZE DISTRIBUTION

Diameter (µm)	Percent passing (%)
850	100
600	75 – 95
300	15 – 35
150	0 – 5

### STANDARD AASHTO M247 TYPE II

#### PHYSICS AND CHEMISTRY FUNCTION

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

#### PARTICLE SIZE DISTRIBUTION

Diameter (µm)	Percent passing (%)
600	100
425	95 – 100
300	50 – 75
180	0 – 5

### STANDARD BS6088-1981 CLASS A

#### PHYSICS AND CHEMISTRY FUNCTION

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
> 1180	0
1180 - 850	5 - 20
850 - 425	65 - 95
< 425	0 - 10

**STANDARD BS6088-1981 CLASS B**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 - 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
> 850	0 - 5
600 - 850	5 - 20
300 - 600	30 - 75
180 - 300	10 - 30
< 180	0 - 10

**STANDARD EN1423 125-710µm**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 - 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
710	0 - 2
600	0 - 10
355	30 - 70
212	70 - 100
125	95 - 100

**STANDARD EN1423 125-850µm**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
850	0 - 2
710	0 - 10
600	0 – 40
355	50 - 90
212	80 - 100
125	95 - 100

**STANDARD EN1424 355-1180µm**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
1180	0 - 2
1000	0 - 10
850	0 - 20
600	40 – 80
425	80 - 100
355	95 - 100

**STANDARD KS2521 CLASS 1**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
850	0
600	5-30
300	30-80
106	10-40
<106	0-5

**STANDARD KS2521 CLASS 2**

**PHYSICS AND CHEMISTRY FUNCTION**

Item	Standard
Specific gravity, g/cm <sup>3</sup>	2,4 – 2,6
Refractive index	> / = 1,5
Spherical beads (%)	> 80

**PARTICLE SIZE DISTRIBUTION**

Diameter (µm)	Percent retain (%)
600	0-5
300	40-90
150	5-60
<150	0-5

**SANDBLASTING GLASS BEAD**

No.	Sieve Mesh Number	Diameter(um)
30#	20--40	850--420
60#	40--60	420--250
80#	60--100	250--150
100#	80--140	210--105
120#	100--140	150--105
150#	100--200	150--74
180#	140--200	105--74
220#	140--270	105--53