

TECHNICAL DATA SHEET

Glass Beads - BS 6088 - 1981 Class A

Chemical composition

Standard requirement	Chemical analysis result
SiO ₂ not less than 70%	SiO ₂ 72.55%
CaO MgO not less than 8%	CaO 7.02 % MgO 3.02 %
Na ₂ O K ₂ O Al ₂ O ₃ Fe ₂ O ₃ Not less than 18%	Na ₂ O 13.78% K ₂ O 0.88% Al ₂ O ₃ 2.08% Fe ₂ O ₃ 0.18%

Granulometry

Standard diameter (µm)	Contain (%)	Result (%)
> 1180	0	0
1180-850	5-20	8.1
850-425	65-95	89.2
<425	0-10	2.7

Physics and Chemistry function

Item	Standard	Results
Specific Gravity (g/cm ³)	2.4 – 2.6	2.50
Refractive Index	≥1.5	1.51
Spherical Beads (%)	>70	81.20

TECHNICAL DATA SHEET

Glass Beads - BS 6088 - 1981 Class B

Chemical composition

Standard requirement	Chemical analysis result
SiO ₂ not less than 70%	SiO ₂ 72.55%
CaO MgO not less than 8%	CaO 7.02 % MgO 3.02 %
Na ₂ O K ₂ O Al ₂ O ₃ Fe ₂ O ₃ Not less than 18%	Na ₂ O 13.78% K ₂ O 0.88% Al ₂ O ₃ 2.08% Fe ₂ O ₃ 0.18%

Granulometry

Standard diameter (µm)	Contain (%)	Result (%)
> 850	0-5	0
600-850	5-20	14.5
300-600	30-75	63.4
180-300	10-30	19.2
< 180	0-15	2.9

Physics and Chemistry function

Item	Standard	Results
Specific Gravity (g/cm ³)	2.4 – 2.6	2.50
Refractive Index	≥1.5	1.51
Spherical Beads (%)	>80	85.10