

59800 Glass Beads

These solid glass beads are manufactured in a continuous rondulation process. The remarkable features of these glass beads are their high **specific weight (3.0 kg/dm³)** and their favorable elasticity.

The development of this type of bead is primarily based on its use as grinding media in pearl mills for grinding and dispersing color pigments, paint, ink and magnetic coatings.

Further applications:

- Grinding of material to be ground with high viscosity (solid content),
- less grinding sequences required to reach the requested degree of fineness,
- the application of small beads enables a regular fine grain spectrum of the material to be ground.

The risk of breaking and mill wear is a lot less compared to zircon silicate beads.

Chemical Characterization:

SiO ₂	61.0 %
K ₂ O	10.0 %
ZnO	1.0 %
BaO	0.2 %
PbO	24.0 %
Na ₂ O	3.0 %
B ₂ O ₃	0.3 %
Al ₂ O ₃ , Sb ₂ O ₃	0.5 %

Deviations of +/- 1 % are possible.

Approximate technical and physical values:

Hardness according to Mohs:	5
Elasticity module:	62 GPa
Specific weight:	3.0 kg/dm ³
Bulk weight:	1.8 kg/dm ³
Size range:	0.40 – 0.60 mm