

Microballs / Micro hollow glass balls

Item number: 56001, 56002, 56004, 56006

Microballs are hollow micro glass balls in the form of a free-flowing powder. The most important task of the functional lightweight filler is to reduce density in the end product, and an improvement in other properties can also be achieved. Delivery is in 50g, 100g, 500g or 27.5kg.

Features and Benefits

- Very good sound and heat insulation
- Good dispersibility
- Good compatibility with most resin systems, including thermosets such as polyester, epoxy, phenolic and polyurethane resins, as well as with most thermoplastics
- Density reduction and thus weight reduction
- Improvement of mechanical properties such as impact resistance, thermal shock resistance and dimensional stability
- Improvement of flow and processing properties
- Reduced binder requirement

Induction instructions

- In order to achieve the maximum effect of the product, it is recommended to incorporate microballs as the last component. Indicative recipes are available for various systems. For further information, please contact our application engineers.

Specifications¹

Physical properties	
Color	white
Bulk density ² (g/cm ³)	0,11
Effective density ³ (g/cm ³)	0,19
Grain size (µm)	
medium	<80
D90	<150
Compressive strength (MPa) isostatic	3,4

¹Typical values, not intended as a specification (no specific assurance of properties).

The data sheet is intended for initial information only.

² The bulk density is the loosely poured weight of a defined volume from a container (bucket, silo, sack, etc.) and also captures the air in the cavities.

³ Effective density is the particle density measured by liquid displacement.

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