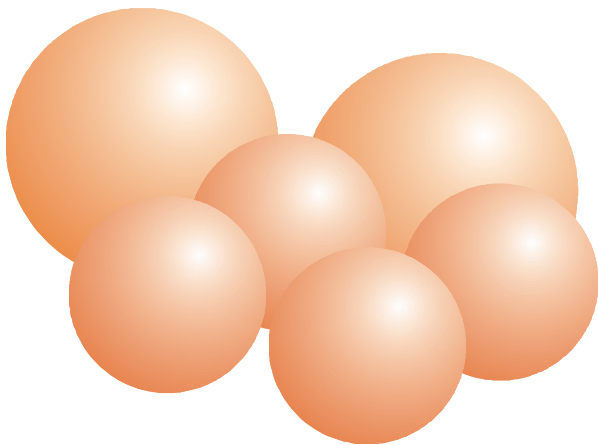


Technical data sheet

WTS – Micro glass beads

TechSpheres / TechBeads

Filler for thermo- and duroplastes



Product description:

Micro glass beads are used as ball-shaped filler (also in combination with cut glass fiber) in duro- and thermoplast moulding compounds, in putties and cast resin as well as for foam reinforcement.

Compared with other mineral fillers micro glass beads improve:

- Pressure strength, hardness and surface quality
- Flexibility and tensile strength
- Flow characteristics
- Stress distribution
- Translucence
- Reduced water- / oil absorption
- free of heavy metals

Technical characteristics (target values):

Shape	roundness > 80%
Color	white / grey-green
Hardness acc. to Mohs	6 - melting temperature: about. 1.400°C
Spec. weight	2.5 g/cm ³ - softening temperature: about. 800°C
Settled apparent density	1.5 kg / dm ³
Breaking index	< 1.5

Type	Diameter	Volume
TechSpheres	0 - 50 µm	ca. 1.21 g/cm ³
TechSpheres	0 - 100 µm	ca. 1.29 g/cm ³
TechSpheres	40 - 70 µm	ca. 1.38 g/cm ³
TechBeads	70 - 110 µm	ca. 1.42 g/cm ³
TechBeads	200 - 300 µm	ca. 1.58 g/cm ³

Other sizes on request

The balls can be coated additionally with special silane coupling agents to achieve an optimum connection between polymer and glass ball. Thereby the flexibility and strength will be improved further. Tell us the used plastic type, so that we can recommend you the suitable coupling agent.

Packaging :

25 kg bags resp. BigBags with each 1.000 kg

All information contained in this data sheet are based on our technical and scientific knowledge, but buyer and user should make their own trials with our products under their own use conditions.