



Glass Beads For Plastic Components(Filler)

Technical Data Sheet (TDS)

Glass Beads For Plastic Components (Filler)

As filler, glass beads and glass sands are used in the materials of paint, plastic, rubber, electronics and macro-molecule materials.

glass beads are widely used as a technical additive filler in various plastic components for applications such as automotive and domestic appliances, E&E products and other industries in order to improve surface aspect properties (aesthetic, scratch and abrasion resistance, dimensional stability) and its processing (faster extrusion and injection cycle time, less reject rates)

solid glass beads offer a unique combination of specific properties in thermoplastic applications that are not found in any other filler material. Their shape and chemical composition provide the following properties in engineering plastics such as Nylon, PBT, POM, PP, PC

Thermoplast

PC, ABS, POM, PVC & PA/SAN & PBT/PMMA & PS/PE & PP

Thermoset

Silicone/Epoxy, Phenolic, PU & Melamine/Polyester & Alkyd

Size: 5-20, 5-40micron

Advantage:

Higher abrasion and scratch resistance

Dimensional stability improvement (shrinkage and warpage)

Good thermal conductivity

Surface finish, aesthetic

Faster and more economic processing (ball bearing effect)

High chemical resistance

Food approved

These improvements can be achieved in a range of engineering plastics and are used by formulators to enhance applications in automotive, domestic appliances, electrical parts, aerospace, buildings and other industries.

For more information, please contact us tech@landscapus.com