

Data sheet: Glass filler

Description	Renishaw glass filler consists of individual filaments of glass fibre of different lengths. It has a small average fibre length of 210 µm nominally and its surface is treated with Silane.	
Features	Small initial fibre length and excellent flowability.	
Suitable for	A wide range of vacuum casting applications where the reinforcing properties of glass fibres are needed in combination with small initial fibre length and excellent flowability. Suitable for the reinforcement of polyurethanes.	
Technical properties		Test / ISO standard where applicable
Fibre diameter (nominal)	14 µ	
Average fibre length (nominal)	210 µ	
Glass type	E-Glass	(DIN 1259)
Size	Polymeric size (≤ 0,05 wt%) with Silane	
Moisture content	≤ 0,05 wt%	
Bulk density	approximately 500 kg/m ³	
Storage	Store in a dry place, preferably at room temperature, or in an oven at 40 °C	

The information in this data sheet is provided for general guidance only and must not be relied upon as a definitive statement of the product's properties or suitability. Renishaw will not be liable for the consequences of any decision by you to use the product and you must conduct your own testing to determine whether or not the product is suitable for your needs.

Handling procedure

Casting procedure

- Use as required to fill resin as necessary.
- Combine the glass filler with the resin, and mix well, scraping the sides and bottom of the mixing container to ensure that there are no unmixed pockets of resin and filler.
- For full instructions on casting procedures refer to Vacuum casting techniques user guide, H-5800-0660, available at www.renishaw.com

Special notes

- It is recommended to use a Renishaw vacuum mixer for this work.
- It is important that a clean dry container and mixing paddle is used to avoid adding dirt or contaminants to the mix.
- If a Renishaw vacuum mixer is not available then the mixed material should be left in the container and placed into a Renishaw vacuum casting machine.
- Patch testing is advisable prior to use to avoid inhibition.

Product information

- **Storage**
Store in a dry place, preferably at room temperature, Store in a dry place, preferably at room temperature, or in an oven at 40 °C.



Please follow the correct procedure for use in your vacuum casting system, as set out in its operating instructions.



Always follow the instructions in the Product Safety Data Sheets and always work in accordance with the safety instructions of the materials manufacturer. Safety Data Sheets can be found at www.renishaw.com.



Wear suitable respiratory protection, safety gloves and safety goggles whilst using this product in accordance with the Safety Data Sheets.

