

Carbon Fiber Lab

Investigations on the mechanical behavior of carbon fibers

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Main focus of investigation

- Investigations on the mechanical comminution behavior of different carbon fibers in a planetary ball mill.
- Laboratory equipped with HEPA filter fume hoods, allowing safe handling of respirable carbon fiber fragments.

Laboratory equipment

- HEPA filter fume hoods
- Planetary ball mill (Retsch PM100)
- Muffle furnace (Nabertherm L4/10 up to 1,000°C)
- Gas dosing (O₂ / CO₂ / Ar / N₂ / CO / ethylene)