



Suprasil® 130 – Synthetic Quartz Glass Tubes for UV Applications

Ultraviolet technologies are becoming more and more important in technical applications. Disinfection and cleaning with ultraviolet light is a cost-effective and environmentally friendly alternative to conventionally used chemical processes. As a result UV disinfection and UV cleaning technologies are becoming important in drinking, waste and process water treatment. Deep UV light is used to generate ozone from oxygen in the ambient air. The ozone itself efficiently oxidises pollution in the air. Examples are cleaning of exhaust air and destruction of airborne grease in commercial kitchens at 185 nm. UV light helps to increase process reliability and lowers the costs of operation.

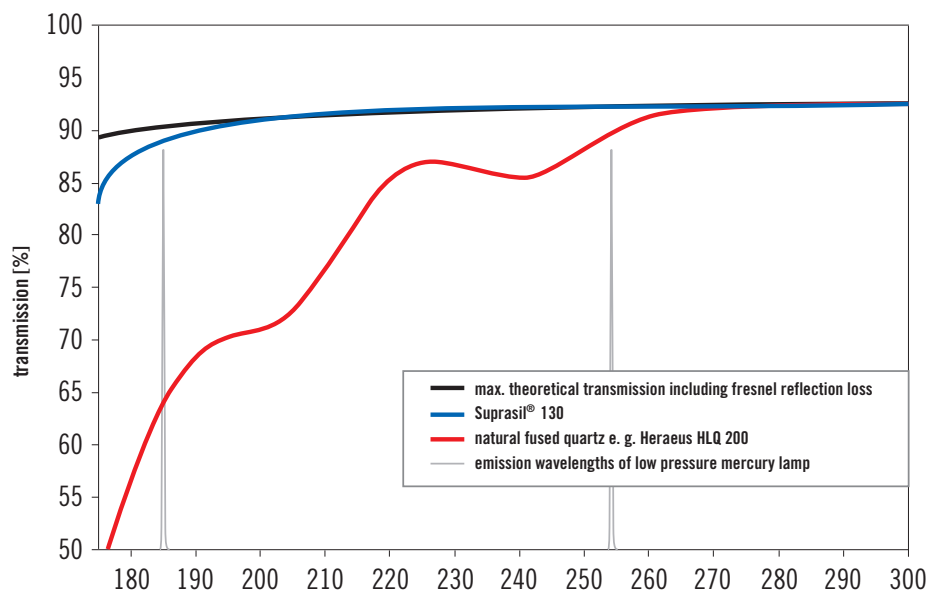
Heraeus product features:

- synthetic quartz glass tubes for UV and deep UV applications (furnace cut, machine cut, fire polished, domed)
- high transmission
- long lifetime
- flexible deliveries
- tube size up to 32 mm diameter

Suprasil® 130 – Synthetic Quartz Glass Tubes for UV Applications

Typical transmission spectrum of Suprasil® 130

thickness: 2 mm



Heraeus provides high quality quartz glass tubes for UV and deep UV applications. These tubes have an optimal transmission and a significantly improved lifetime compared to standard natural quartz glass tubes. Supporting a high UV output over a very long operation time Heraeus synthetic tubes provide highest reliability for your products and lower operational costs.

Typical impurity content in weight ppm (µg/g)

| | Li | Na | K | Mg | Ca | Fe | Cu | Cr | Mn | Al | Ti |
|---------------|-----|-----|-----|------|-----|------|------|------|------|-----|-----|
| Suprasil® 130 | 0.1 | 0.2 | 0.1 | 0.05 | 0.2 | 0.05 | 0.05 | 0.05 | 0.05 | 0.5 | 0.2 |

Suprasil® 130 features

| | |
|------------------------------|--|
| Wavelength range | > 180 nm |
| Optical transmission | high transmission > 80% @ 185 nm |
| Resistance to UV and deep UV | good resistance to UV (long lifetime) |
| Application examples | lamps and sleeves for ozone generation, grease destruction, disinfection |
| Lamp types | low pressure lamps for 185 nm and 254 nm / medium pressure mercury lamps |
| Visual quality | very low bubble content |
| Availability/MOQ | 25 kg |

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