



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.

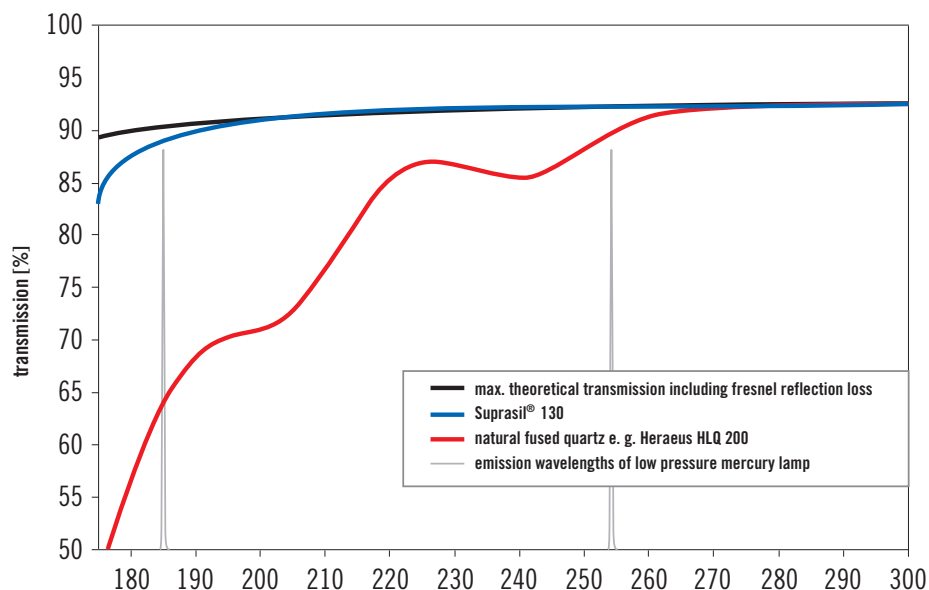
Heraeus product features:

- 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

Germany

Heraeus Quarzglas GmbH & Co. KG

Lamp Materials
Reinhard-Heraeus Ring 29
D-63801 Kleinostheim
Phone +49 (6181) 35-62 48
Fax +49 (6181) 35-72 00
E-mail:
sales.hqs.lampmaterials.de@heraeus.com

China

Heraeus ShinEtsu Quartz, Inc.

QianJiang Tower,
20th Floor, Room A
No. 971 Dongfang Road
200122 Shanghai
Phone +86 (21) 68672266-809
Fax +86 (21) 68751434
E-mail: sales.hqs.lampmaterials.cn@heraeus.com

USA

Heraeus Quartz America, LLC.

Sales Lamp Materials
100 Heraeus Blvd.
Buford, GA 30518
Phone +1 (678) 714-4350
Fax +1 (678) 714-4353
E-mail: sales.hqs.lampmaterials.us@heraeus.com

UK

Heraeus Quarzglas GB

4 Tannery House
Tannery Lane
Send, Woking
Surrey GU23 7EF
Phone +44 (1483) 213324
Fax +44 (1483) 213329
E-mail: sales.hqs.lampmaterials.uk@heraeus.com