



HSQ 330 Electrically Fused Quartz Glass

Product Description

HSQ 330 is a high purity electrically fused quartz glass for different applications where guaranteed purity is required.

In addition to HSQ 700 low alkaline electrically fused quartz glass Heraeus Quarzglas can offer HSQ 330 as a cost effective high purity quartz glass with **guaranteed** trace impurity content.

Chemical Purity

Typical Trace Elements and OH Content in Quartz Glass (ppm by weight oxide)

Elements	Al	Ca	Cu	Fe	K	Mg	Na	OH Content
HSQ 330	<15	0.5	≤0.03	≤0.1	≤0.2	<0.05	0.2	< 30*
HSQ 300	15	0.5	<0.05	0.1	0.4	0.05	0.3	< 30*
HSQ 700	15	0.5	<0.05	0.1	0.1	0.05	0.05	< 30*
HSQ 751	8	0.5	<0.06	0.2	<0.1	<0.05	0.05	175

Guaranteed Chemical Purity and OH Content of HSQ 330 (ppm by weight oxide)

Elements	Al	Ca	Cu	Fe	K	Mg	Na	OH Content
HSQ 330	≤ 25	≤ 2.0	≤ 0.5	≤ 1.0	≤ 1.0	≤ 1.0	≤ 0.5	≤ 30*

* The OH content is below 30 ppm. This can be further reduced via heat treatment under the right conditions.

HSQ 330

Electrically Fused Quartz Glass

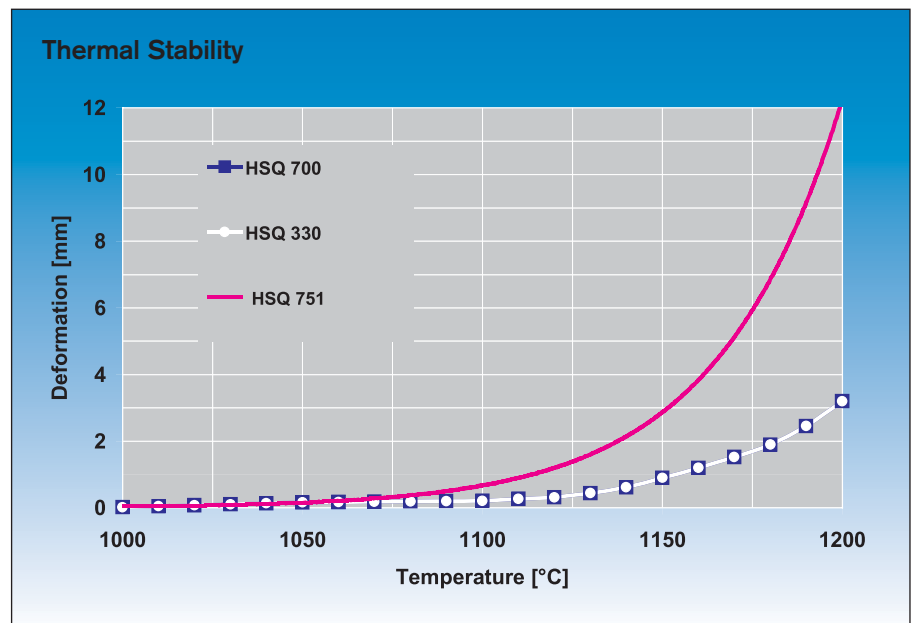
Thermal Properties

The thermal stability is identical to the other electrically fused materials. HSQ 330 has the same viscosity and devitrification behavior as HSQ 300 and HSQ 700. Other thermal properties are also similar. Compared with flame fused materials (e.g. HSQ 751) the electrically fused grades are mechanically more stable at high temperatures.

Visual Appearance

Visual appearance and bubble content is identical to HSQ 300 and HSQ 700.

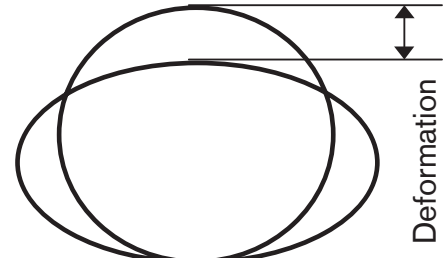
Tubes	Ø 2 – 1000 mm wall thickness 0.5 – 14 mm
Ingots	Ø 100 – 650 mm
Blocks	up to 500 x 500 x 320 mm or up to 1500 x 320 x 145 mm
Rods	Ø 2 – 100 mm
Plates	up to 500 x 500 mm or up to 1500 x 320 mm
Discs	up to Ø 650 mm



Thermal Stability

Deformation of quartz glass rings

OD 200, ID 188, 18 hrs exposure to temperature



EUROPE

Heraeus Quarzglas GmbH & Co. KG

Basic Materials Division
Reinhard-Heraeus-Ring 29
D-63801 Kleinostheim
Phone +49 (6181) 35-7444
Fax +49 (6181) 35-7210
E-Mail GBM-sales@heraeus-quarzglas.com

USA

Heraeus Quartz Inc.

4555 Atwater Court
Buford, GA 30518
Phone +1 (678) 802-2450
Fax +1 (678) 802-2478
E-Mail sales@heraeus-quartz.com

ASIA

Shin-Etsu Quartz Prod. Co., Ltd.

Shinjuku San-Ei Bldg., 12th Floor
22-2, 1-Chome, Nishi Shinjuku
Shinjuku-Ku
Tokyo 160
Phone +81 (333) 48 19 11
Fax +81 (333) 48 49 19
E-Mail d3sales@sqp.co.jp

<http://www.heraeus-quarzglas.com>

Printed in Germany - Technical data and pictures given in this brochure are subject to change