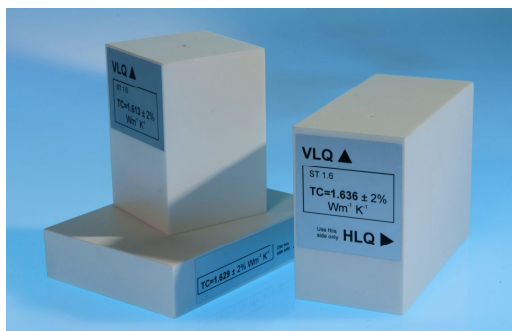

Reference Material ST 1.6

Instructions and Data Sheet - Please read before first use

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The reference materials are for checking the operating condition of instruments and probes from time to time, or in case any problems should arise. The users are not required to perform any calibration or reference measurements themselves.

The specified thermal conductivities are approximate values. Each reference block is calibrated individually before delivery and is labeled with its exact thermal conductivity value. Dimensions may vary slightly. Other sizes are available on request.



Physical properties

Material type	glass ceramic
Thermal conductivity	approx. $1.6 W m^{-1}K^{-1}$
Maximum sample temperature	$700^{\circ}C$
Density	$2.66 g cm^{-3}$
Porosity	0
Coefficient of expansion (20-400°C)	$9.5 * 10^{-6} K^{-1}$
Dielectric strength	$12 kV mm^{-1}$
Dielectric constant (20°C, 1 MHz)	14
Volume resistivity (20°C)	$4 * 10^{12} Ohm cm$

Available dimensions

for standard probes	110 x 90 x 55 mm, with drill hole (diameter: 2 mm)
for Standard HLQ	110 x 90 x 30 mm
for Standard VLQ	55 x 55 x 90 mm, with drill hole (diameter: 2 mm)