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# Reference Material ST 0.2

## 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	acrylic glass
Thermal conductivity	approx. $0.2 \text{ W m}^{-1}\text{K}^{-1}$
Maximum sample temperature	$80^\circ\text{C}$
Density	$1.18 \text{ g cm}^{-3}$
Compressive strength	$120 \text{ N mm}^2$
Tensile strength	$80 \text{ N mm}^2$
Bending strength	$135 \text{ N mm}^2$
Modulus of elasticity	3300
Dielectric strength	$30 \text{ kV mm}^{-1}$
Water absorption	0.05 %

### Available dimensions

for Standard VLQ	diameter: 60 mm, height: 90 mm with drill hole (diameter: 2 mm)
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