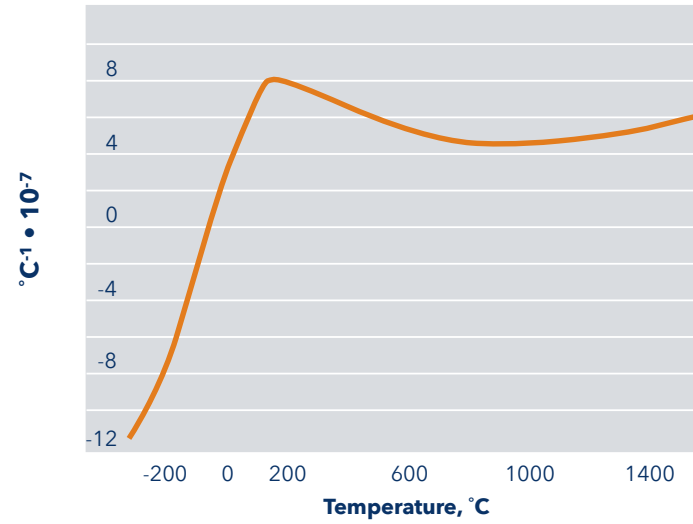
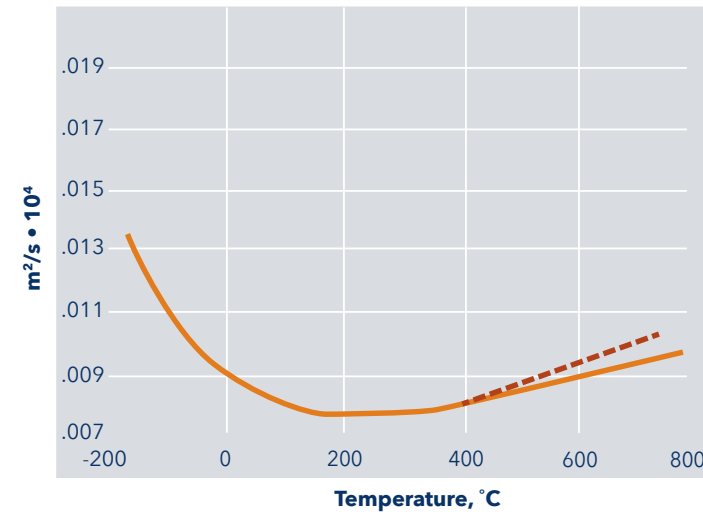


## Coefficient of Expansion



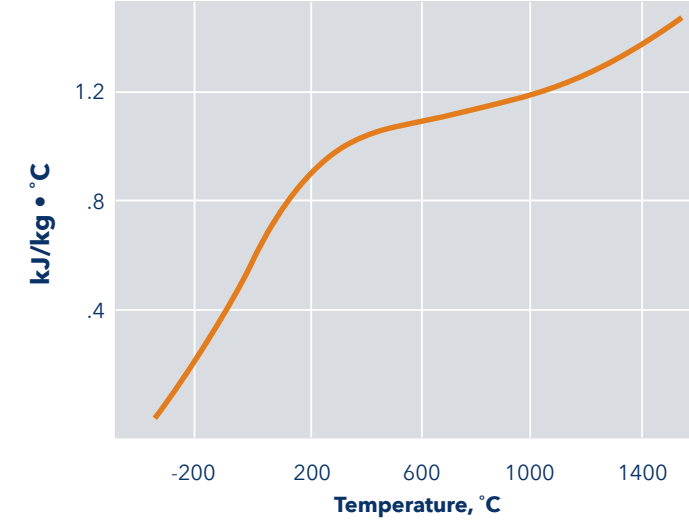
Representative coefficient of expansion of fused quartz.  
Source: Momentive\*

## Thermal Diffusivity



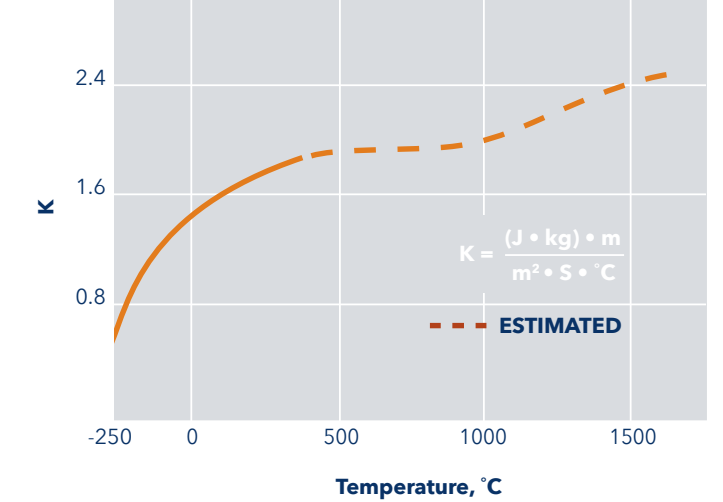
Representative thermal diffusivity of fused quartz.  
Source: Momentive\*

## Heat Capacity



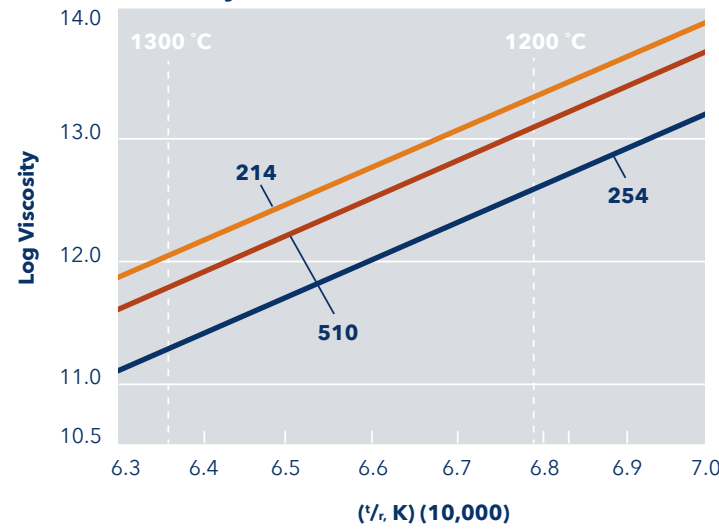
Representative heat capacity of fused quartz.  
Source: R.B Sosman, *The Properties of Silica*, 1927

## Thermal Conductivity



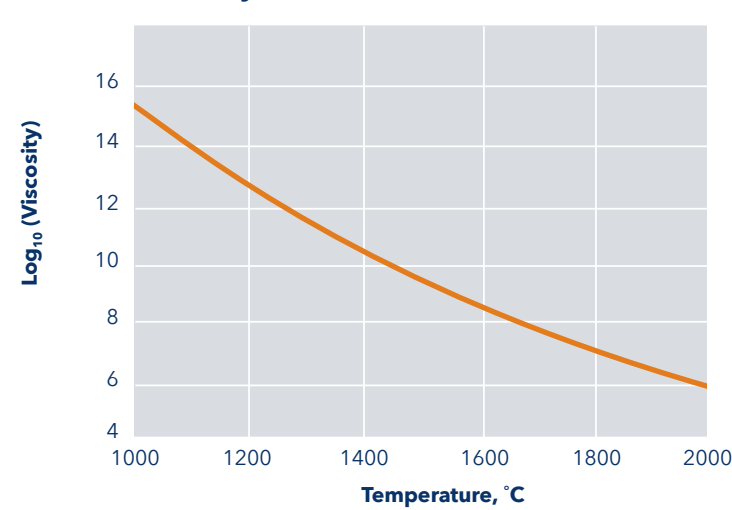
Representative thermal conductivity of fused quartz.  
Source: Momentive\*

## Viscosity Test



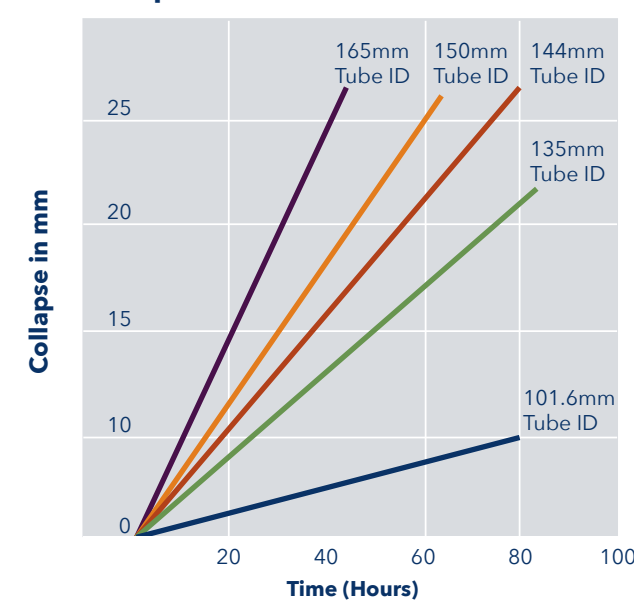
Source: Momentive\*

## Viscosity



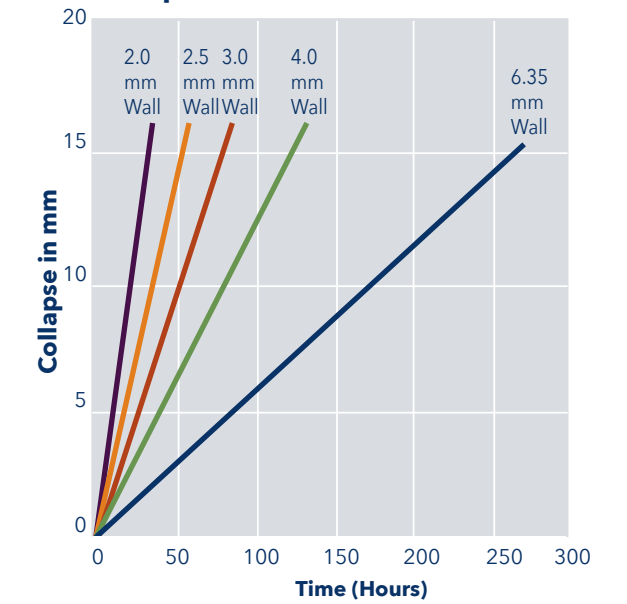
Representative viscosity of fused quartz.  
Source: Momentive\*

## Diffusion Tubing, Collapse vs. Time for Tube ID



Temp. = 1200°C; w.t. + 3.0mm  
Source: Momentive\*

## Diffusion Tubing, Collapse vs. Time for Wall Thickness



Temp. = 1200°C; I.D. = 135mm  
Source: Momentive\*

## Disclaimer

**THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.** Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. No thing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

## Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

## Trademarks/Copyright

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.  
Copyright 2003-2016 Momentive Performance Materials Inc. All rights reserved.

## Customer Service Centers

### Worldwide

4information@momentive.com  
T +1 614 986 2495  
T +1 800 295 2392

### North America

**Silicones**  
T +1 800 332 3390

**Consumer Sealants/  
Construction Sealants and Adhesives**  
T +1 877 943 7325

### Latin America

**South America**  
T +55 11 4534 9650

**Mexico and Central America**  
T +52 55 2169 7670

### Europe, Middle East, Africa and India

T +00 800 4321 1000  
T +40 21 3111848

### Pacific

**China**  
T +800 820 0202  
T +86 21 3860 4892

**Japan**  
T +0120 975 400  
T +81 276 20 6182

**Korea**  
T +82 2 6201 4600

**Malaysia**  
T +60 3 9206 1532

## To Contact an Expert Service

Contact: [momentive.com/contact/contact-expert.aspx](https://www.momentive.com/contact/contact-expert.aspx)