

ADVANCER[®] CN703

	Measurement Technique	CN703
Chemical Analysis (%)	Slurry ICP	
SiC		70
Si ₃ N ₄ Bond		25
Oxides		5
Max. Service Temperature (°C) (depending on operating conditions)		1450
Bulk Density (g/cc)	ASTM C20	2.8
Thermal Expansion (x 10⁻⁶ per °C)	ASTM C832	4.3
Modulus of Rupture (MPa)		
20°C	ASTM C133	170
1250°C	ASTM C583	175
1450°C	ASTM C583	178
Apparent Porosity (%)	ASTM C20	≤1
Thermal Conductivity (W/(mK))	ASTM E1461	See Chart
Modulus of Elasticity (GPa)	ASTM C885-87	235
Specific Heat (J/g·K)	ASTM E1461	See Chart

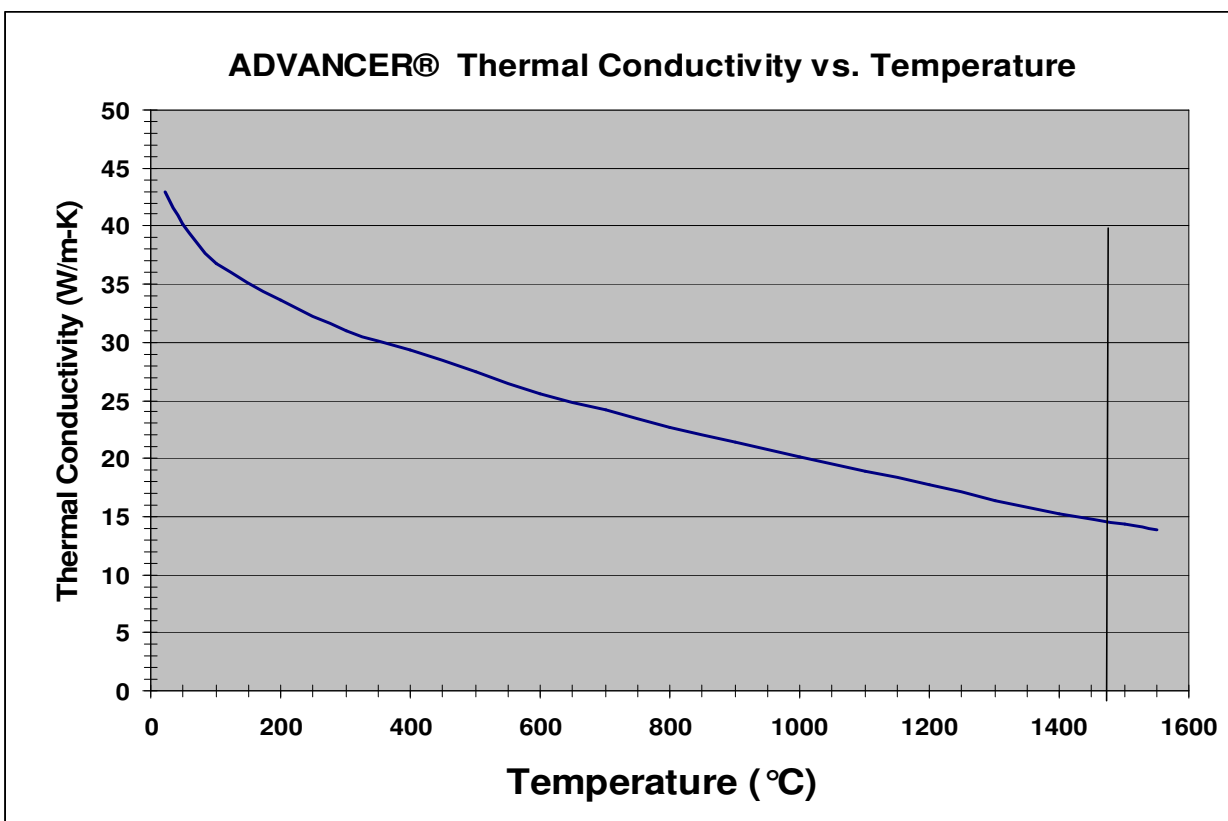
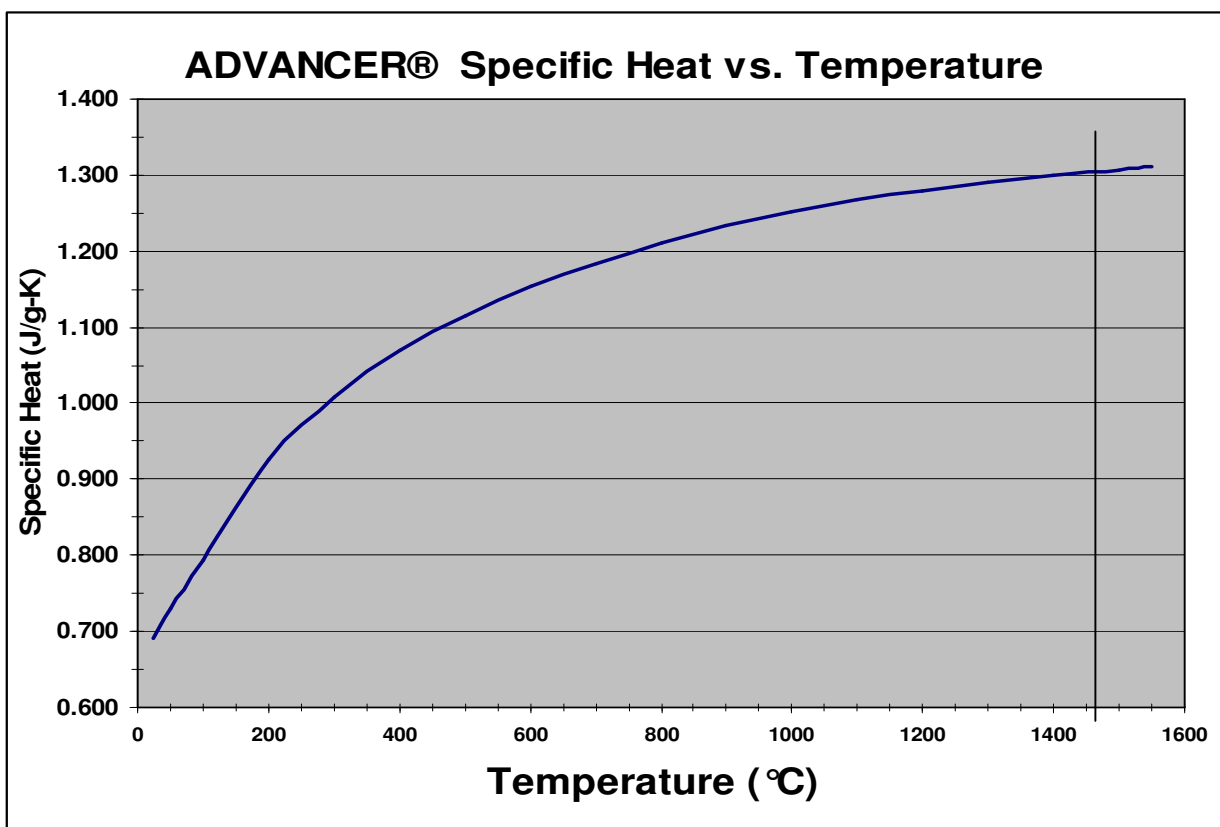
Attributes



- Slip cast
- Original, high performance silicon nitride bonded SiC
- Fine grained mix used to manufacture beams, posts, plates and unique shapes with sections from 6.4-10mm
- Part of our **exclusive LO-MASS[®]** product line that offers thinner, lighter and stronger products

Saint-Gobain Ceramic Materials
One New Bond Street
P.O. Box 15136,
Worcester, MA 01615-0136
508-795-5577,
fax 508-795-5011,
www.refractories.saint-gobain.com
© 2017, Saint-Gobain Corporation,
All Rights Reserved
ISO9001 Certified

The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain Ceramic Materials. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain Ceramic Materials Terms and Conditions apply to all purchases. Process parameters and requirements can impact typical data and test methods.



The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain Ceramic Materials. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain Ceramic Materials Terms and Conditions apply to all purchases. Process parameters and requirements can impact typical data and test methods.