CERAMIC MATERIALS

TECHNICAL BULLETIN

ADVANCER® CN703

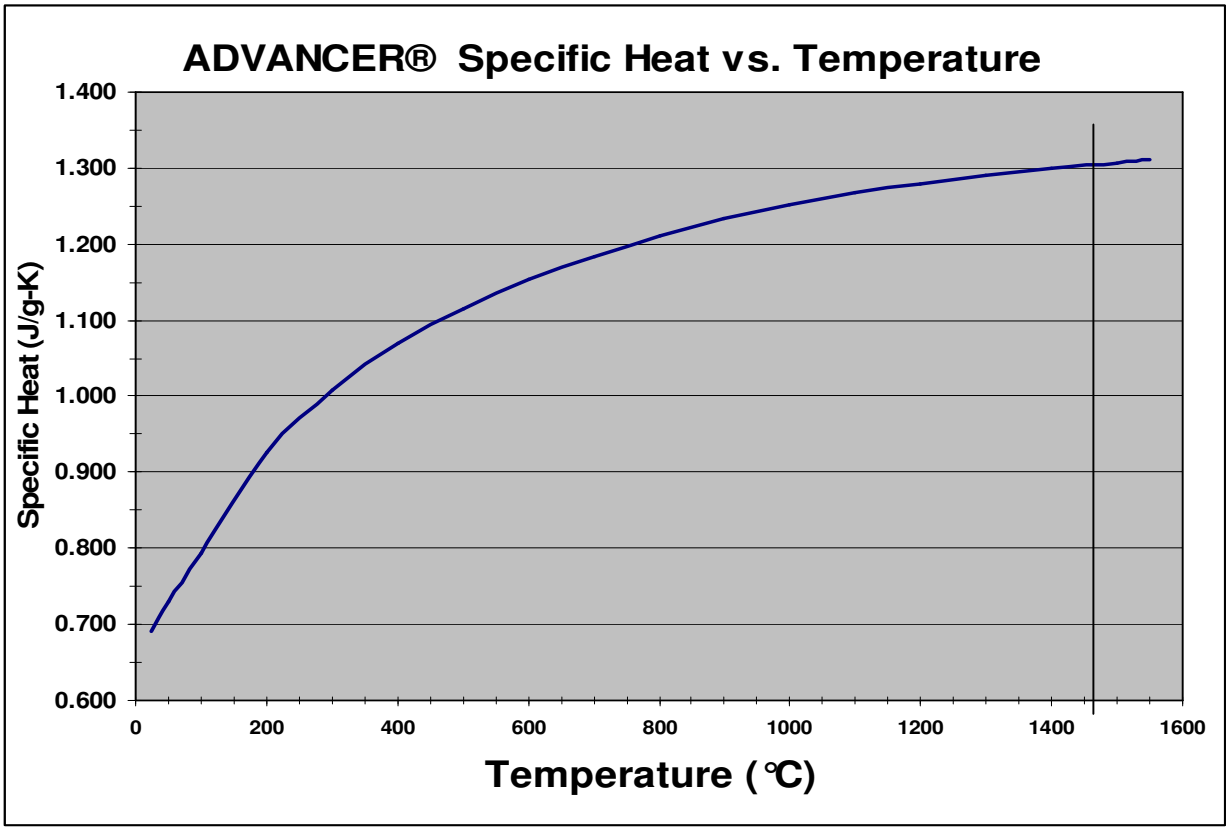
	Measurement Technique	CN703
Chemical Analysis (%)	Slurry ICP	
SiC		70
Si_3N_4 Bond		25
Oxides		5
Max. Service Temperature (°C) (depending on operating conditions)		1450
Bulk Density (g/cc)	ASTM C20	2.8
Thermal Expansion (x 10^{-6} per °C)	ASTM C832	4.3
Modulus of Rupture (MPa)		
20□C	ASTM C133	170
1250□C	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

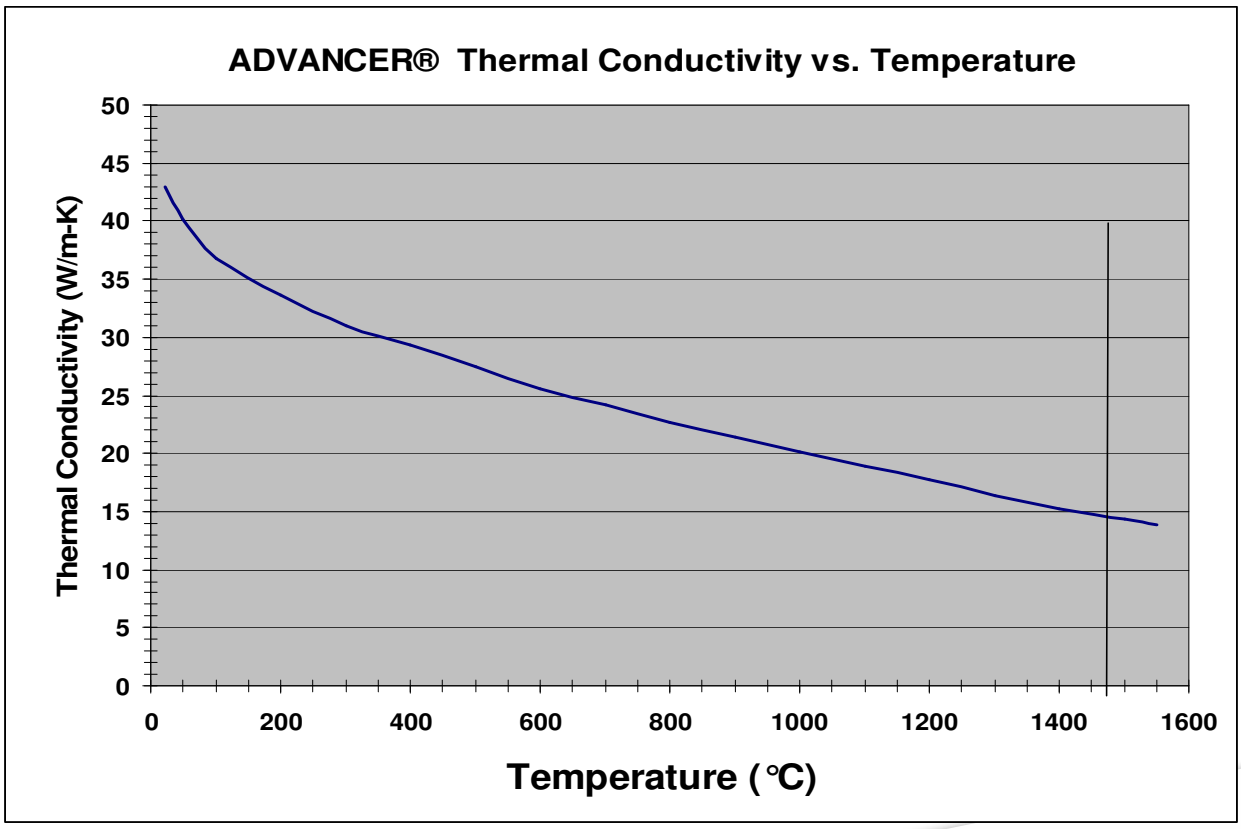
Attributes

- 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

SAINT-GOBAIN





SAINT-GOBAIN