

CARBOFRAX® A

	Measurement Technique	CN764
Chemical Analysis (%)	Slurry ICP	
SiC		90.0
SiO ₂		9.0
Other		1.0
Max. Service Temperature (°C)		1500
Bulk Density (g/cc)	ASTM C20	2.55
Thermal Expansion up to 1500°C (x 10⁻⁶ per °C)	ASTM C832	4.7
Modulus of Rupture (MPa)		
20°C	ASTM C133	15.8
1250°C	ASTM C583	31.1
1450°C	ASTM C583	24.4
Cold Crushing Strength (MPa)	ASTM C133	89.7
Apparent Porosity (%)	ASTM C20	12
Modulus of Elasticity (GPa)	ASTM C885-87	76.0
Total Emissivity		.92

ATTRIBUTES



- Dry pressed
- Silicate bonded SiC
- Predominantly used to manufacture plates
- Very good oxidation resistance at 900°C as compared to other Saint-Gobain traditional SiC

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
www.lomass.com
 © 2013, Saint-Gobain Corporation,
 All Rights Reserved
 ISO9001 Certified
 MAA 6/25/2013

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.