

Carbon Foam FU4640

Insulating material for high-temperature furnaces.
 Application in vacuum or inert atmospheres up to 2500 °C.
 Suitable for all machining processes (turning, milling, drilling).
 Additional purification to an impurity level < 10 ppm can be performed.

Dimensional Information

Standard blanks:

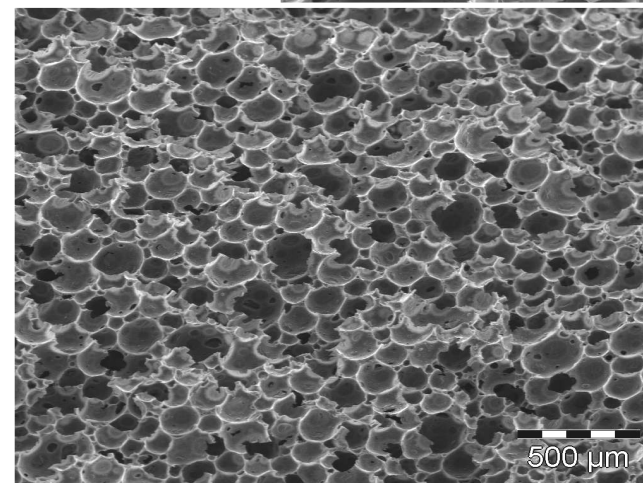
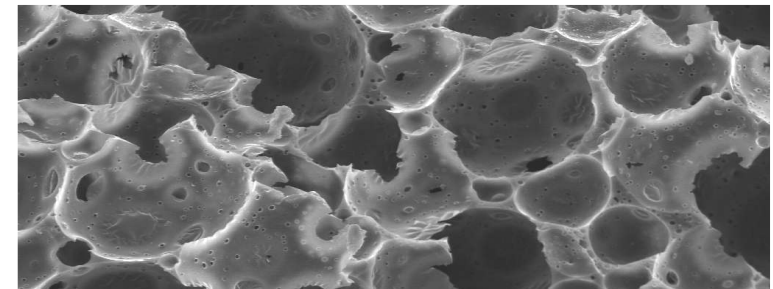
Flat plates in sizes 1000 mm x 500 mm x 30 mm or 40 mm

Other blanks and finished products:

Available on request

Material Properties

Raw Density	g/cm ³	0,15	
Porosity	%	85	
Flexural Strength	N/mm ²	2,5	
Strain to Failure	%	0,5	
Compressive Strength	N/mm ²	5	
Ausdehnungskoeffizient (20 - 1000 °C)	* 10 ⁻⁶ /K	3,5	
Thermal Conductivity (25 °C)	W/mK	0,25	
Specific Electrical Resistance	μΩm	1050	
Ash Content	μg/g	100	
Max. Application Temperature			
	in air	°C	400
	in non-oxidizing environment	°C	2500



SEM-micrographs
of the structure

High Temperature Thermal Conductivity

