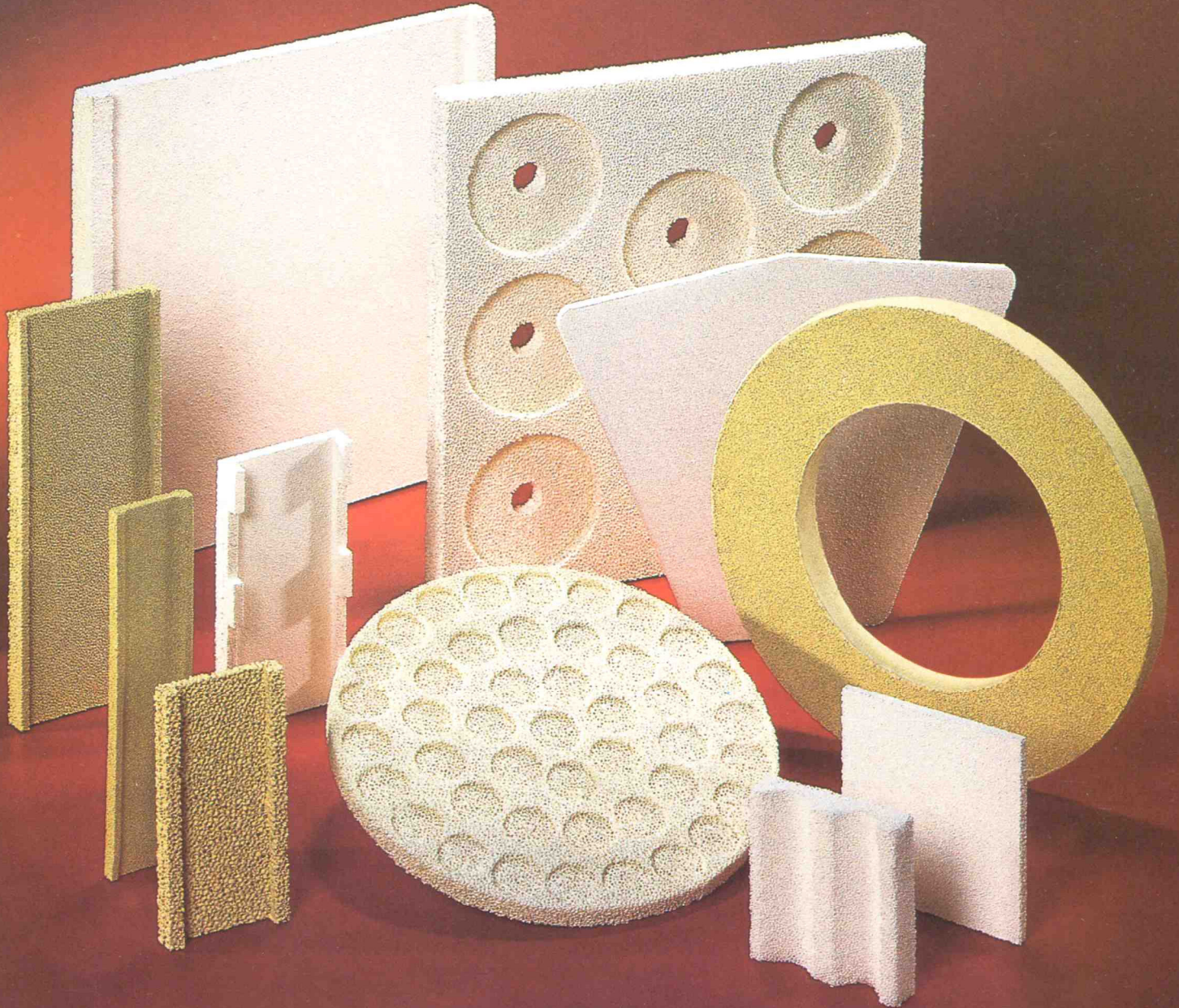


RETICEL™

LOW MASS KILN FURNITURE

FOR EFFECTIVE SINTERING OF CERAMICS AND METALS



- Variable open pore structure enhances binder burnout and permits uniform exposure to kiln atmosphere
- Fewer contact points reduce contamination and drag
- Our shape flexibility can adapt to your application while keeping tooling costs low
- Lightweight reticulated ceramics require less energy to heat; resulting in faster cycling rates

SÜD-CHEMIE
CREATING PERFORMANCE TECHNOLOGY



Hi-Tech Ceramics



Size, shape and capabilities

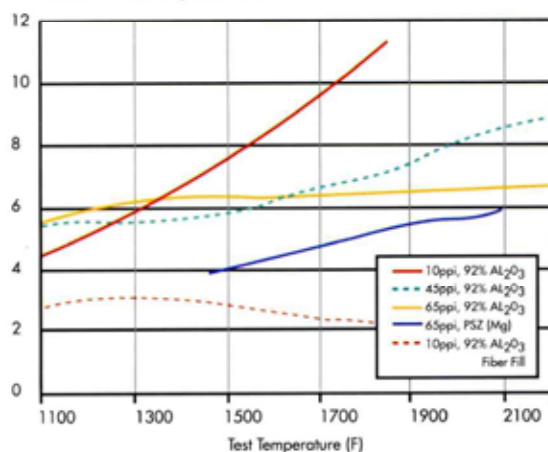
Thickness	0.25" minimum/2" maximum
Length	24" maximum
Rails	0.25" x 0.25" minimum
Grooves	0.375" wide x 0.375" deep typical

Flatness	0.10" typical as fired. Can grind to less than 0.005"
Smoothness	Ground surface to reduce drag can be provided
Pore Size	200 microns to 2 millimeters

Materials

Material	Maximum Use Temp. (F)	Relative Thermal Shock Resistance	Typical Usage
92% Al ₂ O ₃	2700	Very Good	Titinates, Alumina
99.5% Al ₂ O ₃	2850	Good	Titinates, Powdered Metals
Mullite	2600	Very Good	Dental Porcelain
LAS	2100	Excellent	Dental Porcelain
Cordierite	2300	Excellent	Silver Electrode Firing
Silicon Carbide	2600	Very Good	Powdered Metals
ZTA	2700	Very Good	Powdered Metals
FSZ (Ca)	2600	Good	Titinates
PSZ (Mg)	3000	Very Good	Titinates, Zirconia

Thermal Conductivity Of Reticulated Ceramics
Thermal Conductivity (BTU-in/ft** 2-hr-F)



Creep Resistance For Reticulated Ceramics
Linear Change (%)

