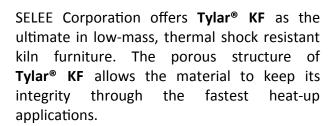


## Tylar® KF

Kiln Furniture

### High Performance Ceramic Foam Kiln Furniture from SELEE Corporation (ISO 9001 certified)

- Handles virtually any thermal cycle
- Fast heat-up and cool-down shorten firing cycle and increase productivity
- Increased airflow reduces common thermal gradients
- Reduced surface area significantly reduces drag during part sintering
- Reduced weight increases kiln loading capacity
- Increase furnace yield by stacking low mass



This material has superior mechanical and thermal characteristics, which makes it ideally suited for a variety of product and process improvement opportunities in the thermal processing industry.

**Tylar® KF** is available in a wide variety of compositions for use in the processing of electronic components, sintered metals, and advanced ceramics.

For information on how **Tylar® KF** can meet your special application needs, please contact SELEE Corporation.



- Low thermal mass
- Excellent thermal shock resistance
- Easily machinable
- Machined surface finish available
- Chemically inert
- High purity

#### **SELEE Corporation**

700 Shepherd Street Hendersonville, NC 28792 Tel: (800) 842-3818 or +1 (828) 697-2411 Fax: (+1 828) 692-1868

www.selee.com

# Tylar® KF

### **Ceramic Foam Physical Property Data**

Product Designation	Product Composition	Color	Typical Use Temp. (°C)	Thermal Cycle Rating	Applications
AL Sintered Alumina	Al <sub>2</sub> O <sub>3</sub> 99% +	White	1500	2 Poor	Titanates, Powdered Metals, High Sintering Temp, Slow ramp rate, Use When No Reactivity Issues
ZTA  Zirconia Tough- ened Alumina	ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> 10%/90	White	1480	6 Good	Powdered Metals, Electrical Components, High Sintering Temp, Medium Ramp Rate, Use When No Reactivity Issues
YZA  Yttria Stabilized Zirconia/Alumina	Y <sub>2</sub> O <sub>3</sub> /CaO/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> 2.5%/2.5%/61%/34%	Tan/orange	1550	10 Very Good	Powdered Metals, Dielectrics, Electrical Components, Fast Ramp Rate, May Work With Reactivity Issues or Test Reactivity
PSZ 63  Calcia/Magnesia Stabilized Zirconia	ZrO <sub>2</sub> /MgO/CaO 96%/1.5%/2.5%	Tan/orange	1600	8 Good	Titanates, Dielectrics, Zirconia, Medium to Fast Ramp Rate, Use When Reactivity may be an Issue
PSZ 01  Calcia Stabilized Zirconia	ZrO <sub>2</sub> /CaO 96.5%/3.5%	Yellow	1450	6 Good	Titanates, Zirconia, Dielectrics, Electrical Components, Medium Ramp Rate, High Sintering Temp, Use When Reactivity is an Issue, Very Low Alumina, High Purity Zirconia Blend
PSZ 06  Magnesia Stabilized Zirconia	ZrO <sub>2</sub> /MgO 96.5%/3.5%	Off-White	1650	4 Fair	Titanates, Zirconia, Low Ramp Rate, High Sintering Temp, Use When Reactivity may be an Issue

Note: All compositions contain less than 0.7% Si

Contact: Mark Heamon Castshop and New Products Manager

> Cell: +1 (770) 329-5373 Email: mheamon@selee.com