

Silcor® CS



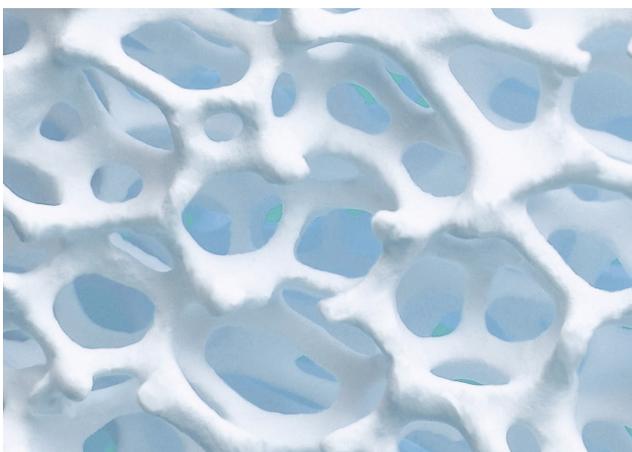
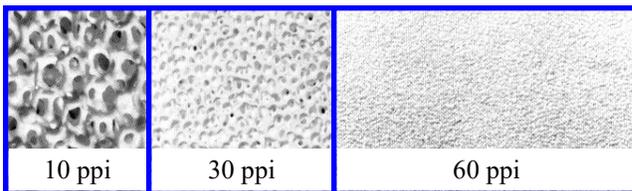
Catalyst Sub-

Ceramic Foam Catalyst Substrate ***From SELEE Corporation (ISO 9001 certified)***

SELEE Corporation's Silcor® CS, the latest innovation in catalyst substrate technology offering a combination of unique physical, thermal, and mechanical properties which can be custom engineered to meet the most challenging catalysis substrate applications.

Silcor® CS is used in a wide range of catalysis substrate applications and is available in a variety of ceramic compositions and pore sizes for all your demanding processing requirements.

For more information on how Silcor® CS can benefit your process, please contact



- ***Excellent mass transfer provides high conversion efficiency***
- ***High surface area to volume ratio***
- ***Structure readily accepts wash coats and catalysis materials***
- ***Uniform flow improves catalyst life***
- ***High purity/Chemically inert ceramics***
- ***Custom complex geometries available to meet any requirement***

Contact:
Mark Heamon
Market Manager-New Products
SELEE Corporation

700 Shepherd Street
Hendersonville, NC 28792
Tel: (828) 694-3469
Cell: (770) 329-5373
Email: mheamon@selee.com

Silcor® CS

Ceramic Foam Physical Property Data

Product Designation	Product Composition	Color	Max Use Temp. (°C)	Thermal Cycle Rating*	Bulk Density @ 15% dense g/cc	Compressive Strength		Modulus of Rupture (MOR)				Thermal Expansion in/in/°	
								Room Temp Test @ 25°		Hot MOR Test @ 1400° C			
								PSI	MPa	PSI	MPa		
SiC	SiC/SiO ₂ 60%/40%	Gray	1200	7	0.45	343	2.4	258	1.8	156	1.1	3.7	6.6
AL Sintered Alumina	Al ₂ O ₃ 99% +	White	1550	2	0.60	732	5.0	528	3.6	458	3.2	5	9
ZTA Zirconia Toughened Alumina	ZrO ₂ /Al ₂ O ₃ 10%/90%	White	1550	6	0.62	1530	10.5	767	5.3	529	3.6	5	9
YZA Yttria Stabilized Zirconia Alumina	Y ₂ O ₃ /CaO/ZrO ₂ /Al ₂ O ₃ 2%/62%/34%	Orange	1600	10	0.78	1991	13.7	552	3.8	482	3.3	5	9
PSZ 63 Partially Stabilized Zirconia	ZrO ₂ /CaO/MgO 95%/5%	Lt Brown	1600	8	0.90	829	5.7	311	2.1	267	1.8	5	9
PRZ Partially Stabilized Zirconia	Partially Stabilized ZrO ₂ /MgO 95%	Beige	1700	6	0.86	2094	14.4	858	5.9	696	5.5	5	9
PSZ 06 Partially Stabilized Zirconia	Partially Stabilized ZrO ₂ /MgO 95%	White	1700	4	0.86	2179	15.0	981	6.7	751	5.8	5	9

SELEE Corporation
 700 Shepherd Street
 Hendersonville, NC 28792
 Tel: (800) 842-3818
 +1 (828) 693-7785
 Fax: +1 (828) 693-1868