

	Material	10 ⁻⁷ /°C	SEM-COM Sealing Glass Recommendations					
Ceramics	Cordierite	22	SCV-8HT*	SCS-10				
	Silicon Carbide	36	SCL-7HT*	SCS-9	SCR-3	SCS-10	SCE-3	
	Aluminum nitride	47	SCL-8HT*	SCQ-5	SCQ-2			
	Mullite	50	SCL-8HT*	SCL-6	SCC-1002	SCQ-5	SCF-2	
	Beryllium Oxide	66	SCL-8	SCL-9HT*	SCL-2	SCL-1	SCQ-1	
	Alumina (96%)	64	SCL-8	SCL-9HT*	SCE-7	SCQ-4	SCF-2	
	Alumina (99%)	79	SCL-9	SCV-15	SCA-2000	SCS-6		
	Steatite	80	SCL-9	SCL-15	SCA-2000	SCS-6		
	Ferrite	101	SCV-10	SCV-11	SCV-14			
	YSZ (SOFC)	105	SCN-1	SCZ-8				
Glasses	Quartz	5.6	SCV-8HT*					
	Borosilicate	33	SCL-7HT*	SCL-7HT*				
	Soda Lime	86-90	SCV-15	SCV-14	SCV-10			
	Macor	93	SCV-14	SCV-10	SCV-11	SCL-9		
Metals	Silicon	36	SCL-7HT*	SCF-2				
	Kovar	51	SCC-1002*	SCL-3	SCQ-1	SCQ-3		
	Alloy 42	60	SCL-7	SCL-1				
	Molybdenum	60	SCE-10	SCE-506	SCC-1002	SCE-2	SCQ-1	SCR-2
	Tantalum	66	SCL-8	SCL-9HT*				
	Titanium	89	SCV-15	SCV-14	SCV-10	SCL-9		
	446 Stainless	108	SCV-16	SCN-1				
	430 Stainless	110	SCV-16	SCM-1	SCN-1			
	Inconel	138	SCS-1	SCU-2				
	Iron	150	SCA-2002HT					
	316 Stainless	162	SCA-2002HT					
	302, 304 Stainless	178	SCA-2002HT					
	Copper	185	SCA-2002HT	SCU-1				
Miscellaneous Applications								
UV absorbing	SCM-4	SCS-2		Fiber Optic Core	SCE-7	SCM-1001	SCM-1002	
IR sealing	SCM-3			Fiber Optic Cladding	SCT-1			
X-ray shielding	SCN-1000			EMA Coating	SCS-7	SCS-8		
Na sensitive	SCY-5			Resister Glass	SCL-5	SCE-10	SCE-503	
pH sensitive	SCA-500			Passivating Glass	SCQ-2	SCE-10		
Passivating	SCQ-2			Non-browning	SCN-1			
Notes	Bold – Newly listed glass							
	Sealing or firing temperatures of recommended glasses generally increase from left to right							
	HT – Will be compatible with the designated material after a heat treatment to crystallize the glass							
	* Crystallizing – Consult with SEM-COM engineers regarding your specific application							