

Glass Sealing Preforms

Product Description

Over 300 glass compositions are available from GBC. Thermal expansions are available over a range from 32 to 130 x 10e-7 per °C. Stringent batch controls provide the highest degree of reproducibility. The preformed frames, rings and solids introduce a finite amount of sealing glass, which can be shaker-loaded onto sealing fixtures. Research and development continue to provide a wide range of expansion coefficients in low temperature sealing glasses.

GBC Glass Code	C.T.E. x10 ⁻⁷ per °C (0-300°C)	Sealed density		Strain Pt. °C	Anneal Pt. °C	Soft Pt. °C	Work Pt. °C	Dielectric Constant @ temp	Volume Resistivity @ temp	Glass Type	Comments
		Avg.	Min.								
505	32	2.09	2.05	456	496	-	-	4.1.1 MHz R.T.	11.2 250°C	C 7070	Low loss expansion
645	45	2.19	2.14	440	500	720	1030	5.0 1KHz	16.0 R.T.	Fusite K	Matched Kovar Type
691	46	2.20	2.17	440	500	720	1030	5.8 1MHz R.T.	16.0 R.T.	7052 Equiv.	
555	47	2.20	2.15	440	484	712	990	5.1 1MHz R.T.	9.2 250°C	C7052	
593	53	2.25	2.18	475	515	720	980	5.9 1MHz R.T.	10.4 250°C	-	
365	91	2.50	2.45	407	450	650	950	6.5 1MHz R.T.	8.0 250°C	9013 Equiv.	Compression Seals
614	92	2.52	2.48	407	450	650	950	6.5 1MHz R.T.	8.0 250°C	9013 Equiv.	
661	93	2.50	2.45	470	510	685	990	9.5 1MHz R.T.	16.0 R.T.	Fusite T	

Other specialty glasses available upon request.

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