



PASSIVATION GLASSES

VIOX Corporation offers glasses for passivation applications suitable for use on transistors, thermistors, thyristors and diodes. Our glasses are melted in platinum lined vessels ensuring consistency of physical properties and ensuring low alkali levels. Thermal expansion of passivation glasses is typically high thereby requiring application in thin layers or the incorporation of suitable fillers to lower expansion coefficients. Glass powders are provided custom ground to your particle size specifications. The following table lists our most common formulations:

Glass N°	Density (g/cc)	Soft. Pt. (°C)	CTE (ppm/°C)	Tg (°C)	Ts (°C)	Glass Family
25101	3.76	668	4.5	581	623	Zinc•Borates
25102	3.54	653	4.7	578	615	
25104	4.00	620	4.9	574	589	
V1409	4.15	616	5.2	526	567	
V1410	4.13	595	5.5	522	555	
V1411	3.45	635	4.4	568	614	
V1412	3.36	611	5.4	550	597	
V1413	5.52	459	8.5	402	432	Lead•Borates 20% Filler 40% Filler
V1414	5.44	461	8.1	409	442	
V1416	5.69	445	8.5	391	420	
V1417	5.64	448	8.1	394	425	
V1418	5.79	455	7.5	395	426	
V1418 Filled			5.6	346	520	
V1418 Filled			4.7	320	570	
14252	3.25	664	4.4	483	598	Lead•Silicates
14294	3.88	590	5.6	470	433	
V0878	2.91	717	3.1	N/A	N/A	
V0879	3.26	642	4.4	508	575	
V0914	2.84	722	4.3	568	644	

Disclaimer: VIOX Corporation believes this data to be accurate and for reference use only, subject to normal manufacturing variations. No warranty is expressed or implied regarding accuracy of the information.



VIOX Corporation is the winner of the Washington State Quality Award, and is ISO 9001:2000 certified.



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