

Glass Products of NIHON YAMAMURA GLASS

We have a lineup of glass products with a wide range of properties.

◆Sintering Additive and General glass

We offer glass products for sintering, adhesion, and sealing of ceramics and metal.

Product Name		Bi ₂ O ₃ -B ₂ O ₃ -ZnO-SiO ₂			PbO-B ₂ O ₃
Glass System		BS66	LY23	BN40	LN79
Glass transition point	°C	380	435	455	235
Softening point	°C	445	495	530	300
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	98	88	78	145

Product Name		ZnO-B ₂ O ₃ -RO-R ₂ O			ZnO-B ₂ O ₃ -R ₂ O		
Glass System		LFZA8	RB15	LFZM2	LFZ80	LFZ96	LFZ87
Glass transition point	°C	415	490	510	490	500	520
Softening point	°C	500	570	595	575	580	595
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	115	110	105	80	70	60

Product Name		SiO ₂ -B ₂ O ₃ -R ₂ O			SiO ₂ -B ₂ O ₃ -RO	
Glass System		CN55	CN50	BS3	NYG353	GL11
Glass transition point	°C	465	495	500	635	685
Softening point	°C	590	595	800	710	830
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	77	73	24	120	42

◆Glaze and overcoat glass

Used for HIC, chip resistors, thermal heads, etc.

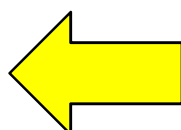
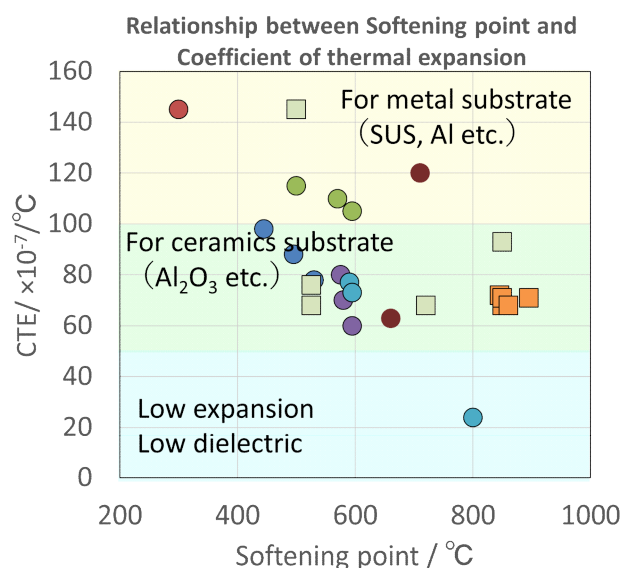
Product Name		YG060	YG600	YG660	YG071	YG5862
Glass System		SiO ₂ -Al ₂ O ₃ -RO				
Glass transition point	°C	685	685	685	690	745
Softening point	°C	850	845	850	860	895
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	68	72	71	68	71
Recommended firing conditions	°C-min	1175-60	1175-60	1175-60	1185-60	1280-60

Product Name		Bi ₂ O ₃ -B ₂ O ₃ -SiO ₂		PbO-B ₂ O ₃ -SiO ₂	SiO ₂ -Al ₂ O ₃ -RO	Bi ₂ O ₃ -SiO ₂ -R ₂ O
Glass System		YB519	YB926	YP515	YMP1303	EX52
Glass transition point	°C	460	615	445	690	400
Softening point	°C	525	720	525	850	500
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	76	68	68	93	145
Recommended firing conditions	°C-min	530-10	750-10	530-10	850-15	550-15

◆High heat resistance crystallized glass

This is a crystallized glass material that crystallizes when fired at a predetermined temperature and has high heat resistance. Two types are available

Product Name		NYG206	NYG353
Glass System		SiO ₂ -B ₂ O ₃ -RO	
Glass transition point	°C	585	635
Softening point	°C	660	710
Coefficient of thermal expansion	× 10 ⁻⁷ /°C	63	120
Recommended firing conditions	°C-min	900-60	850-60
Recommended substrate		Al ₂ O ₃	SUS



Are you having trouble to get the glass materials you need? Please feel free to contact us.