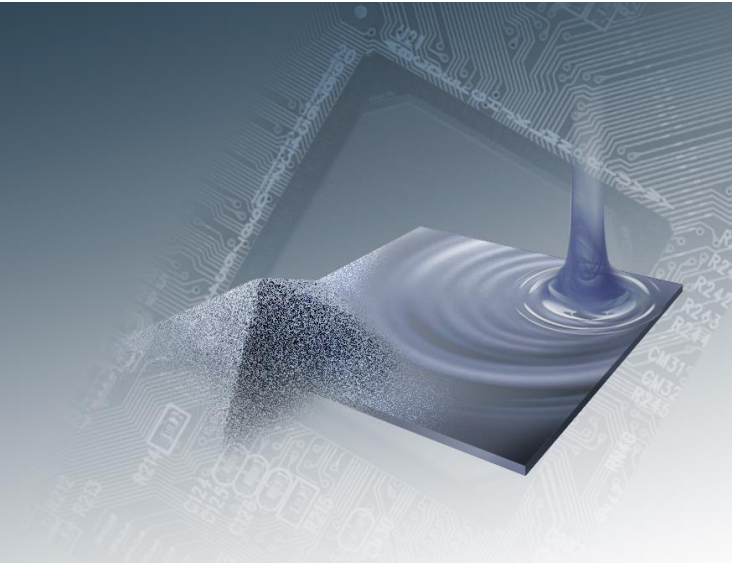


Data Sheet

Encapsulation Materials

CV8710 series



Sep. 2020 No.200908-3

Partnering to go beyond.

Electronic Materials
Panasonic Corporation

Specification

Property	Unit	Test Method	Condition	Typical Value	
				CV8710U	CV8710MYC
Glass Trancelation Temp.(Tg)	°C	TMA	-	160	150
CTE-1	ppm/°C	TMA	<Tg	9	9
Flexural Modulus (@25°C)	GPa	JIS K6911	25°C	24	26
Filler Size (Max)	um	Design value	-	20	55
Mold Shrinkage	%	JIS K6911	25°C	0.21	0.19
Filler Type (FusedSilica/CrystallineSilica/Alumina)	-	Design value	-	Fused Silica	Fused Silica
Filler Shape (Spherical/Flake)	-	Design value	-	Spherial	Spherial
Filler Content (in Ash)	% wt	Design value	-	88.5	88
Filler size (Avg)	um	Design value	-	‘5-6	10-14
Sprial Flow	cm	ASTM D3123	170°C	185	200
Gelation Time	sec	Curelastometer	170°C	53	60
Viscosity (@175C)	Pa Sec	Flow tester	175°C	15	13
Specific gravity	-	JIS K6911	25°C	1.98	1.99
CTE-2	ppm/°C	TMA	>Tg	36	36
Flexural Strength(@25°C)	MPa	JIS K6911	25°C	200	170
Flexural Strength(@260°C)	MPa	JIS K6911	260°C	23	25
Flexural Modulus(@260°C)	GPa	JIS K6911	260°C	0.7	0.9
Dielectric Constant (1MHz)	-	JIS K6911	1MH z	4.0	4.0
Dissipation Factor (1MHz)	-	JIS K6911	1MH z	0.010	0.016
Flame Retardant (Yes/No)	-	Design value	-	No	No
Flamability	-	UL-94	94 V-0	V-0	V-0
Thermal Conductivity	W/mK	Hot wire method	25°C	0.95	0.95
Low Alpha Type (Yes/No)	-	Design value	-	No	Yes

* The data in the above table are not guaranteed values.

++ Before purchase ++

【Notes before you use】

- Please verify the suitability and fitness for intended application by quality testing, evaluation or other means at your own option before any adoption, use or change of use conditions of a product listed in the datasheet.
- We would like to have a delivery specifications mutually agreed for the product that you have decided to use. The agreements defined in the delivery specifications are assigned higher priority.
- Please note that specifications and external design are subject to change for product improvement without notice.
- For details on products in the datasheet, please contact your distributor or our sales department.

【Safety Information】

- Before using the product, please read the delivery specifications carefully or contact the distributor from which you purchased the product or our sales department in order to use the product correctly.
- The products in the datasheet are Semiconductor encapsulation materials for electronic and electrical devices. Please do not use them for other than specified use.

Please Contact us of more

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