



Thermal Putty CPVG Series

NEW
Silicone-Free



Silicone-free, single-liquid,
no-drip thermal putty

- Putty does not drip even when thickly applied
- Extremely useful in filling gaps with varying component heights
- Very little compressive force on sensitive IC components and PCBs
- No pre-mixing required! Putty is supplied ready to dispense
- Automated dispensing possible with coating machine
- Silicone-free base, great for any device, especially for sensitive optical applications



Properties

Part Number	*Under development	
	CPVG-30	CPVG-50*
Thermal Conductivity (W/m•K) *ISO22007-2 Hot-disc method	3.0	5.0
Thermal Resistance t1.0mm (°C/W) *ASTM D5470	0.33	0.19
Thermal Resistance t0.3mm (°C/W) *ASTM D5470	0.08	0.05
Thermal Resistance t0.1mm (°C/W) *ASTM D5470	0.01	0.00
Color	White	White
Specific Gravity *JIS Z 8807	2.9	3.2
Viscosity 0.5 [1/s] (Pa • s) *ASTM D1824 Compliant	3,400	6,500
Viscosity 1.0 [1/s] (Pa • s) *ASTM D1824 Compliant	2,500	4,000
Volume Resistivity (Ω • cm) *JIS K 6911 Compliant	5.9 x 10 ¹¹	1.0 x 10 ⁹
Breakdown Voltage (kV/mm) *JIS K 6911 Compliant	8	12
Relative Permittivity 500MHz *Company Standard	8.98	13.47
Relative Permittivity 1GHz *Company Standard	8.88	13.58
Flame Resistance	UL94 V-0 equivalent	UL94 V-0 equivalent
Operating Temperature (°C)	-40 ~ 125	-40 ~ 125
Product form when supplied	Cartridge: 330ml	Cartridge: 330ml

*TEST METHOD

Results Of Drip Off Test



Test Conditions:
 Temperature: 125 °C
 Time: 1000h
 Coating thickness: t=1mm
 Material: Glass + Aluminum plate



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Please request for detailed product specification data prior to purchase

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