

Product Data

2 Part Thermally Conductive Silicone Gel XE14-C7412

XE14-C7412 is a 2 part, highly thermally conductive silicone gap filler. XE14-C7412 cures quickly with heat or at room temperature to become a soft, repairable thermally conductive elastomer.

KEY FEATURES

- ◆ High thermal conductivity
- ◆ Easy to use 1:1 mix ratio
- ◆ Dispensable
- ◆ Cures quickly with heat or at room temperature
- ◆ Soft, stress-absorbing
- ◆ Repairable
- ◆ Resists cracking or sagging when assembled in typical vertical positions

TYPICAL PROPERTY DATA

(JIS K 6249)

UNCURED PROPERTIES		XE14-C7412
Color		Pale Pink
Mixing Ratio		1:1
Viscosity (viscometer 2rpm)	Pas	820 (part A), 830 (part B)
Dispensability*	g/min	25 (part A), 25 (part B)
Cure Time (@ 23C)	h	24
PROPERTIES AFTER CURE (1h @ 70C)		
Density (23°C)	g/cm ³	3.1
Hardness (type E)		10
Hardness (00)		30
Thermal conductivity (hot disk) **	W/(m·K)	10.2
Bond Line Thickness (BLT)	µm	250
Volume Resistivity	Ω.cm	3 x 10 ¹³
Dielectric strength	kV/mm	15

*30cc EFD syringe, 90psi, **Momentive internal measurement

Typical property data values should not be used as specifications.

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Sept. 2019 / XE14-C7412