

## KG100P

### Ultra Soft Gap Filler

#### Product description

Infratron KG100P is a soft and compliant gap filler. Infratron has leveraged its vast experience and knowledge in the development of thermally conductive materials to develop a soft and compliant gap filler that minimizes contact resistance and board level stresses. In conjunction with these key traits Infratron understands that not all applications are the same. As a result KG100P comes with a unique liner on one side. This liner provides numerous application benefits like electrical isolation, placement ease during assembly, tear resistance for applications that require shear, to name a few. KG100P will be offered in thicknesses that range from .5mm (.020") up to 5mm (.200").



#### Features and benefits

- Compliant nature minimizes contact resistance
- Integrated liner provides dielectric strength
- Resistance to burrs and mechanical forces
- Resistant to shear forces.
- Thermal Conductivity of 1.2 W/mK
- Contrasting color allows integration with vision system
- Shore hardness of 13 (Shore 00)

#### Typical Properties

PROPERTY	TYPICAL VALUES	TEST METHOD
Construction	Lined Elastomer	
Color	Yellow	Visual
Thermal Conductivity	1.2 W/mK	Hot Disk
Hardness (Shore 00; 3 sec)	13	ASTM D2240
Specific Gravity	2.3	Helium Pycnometer
Flammability	V0	UL 94
Temperature Range	-40C to 180C	
Outgassing TML	0.32%	ASTM E595
Outgassing CVCM	0.05%	ASTM E595
Thickness	.5mm – 5mm (.020" - .200")	
Breakdown Voltage	>5kV	ASTM D149

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