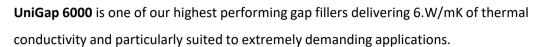
UniGap 6000

High Performance Gap Filler





UniGap 6000 is formulated with ceramic particles enabling extremely consistent and repeatable thermal performance. This in combination with stability over a wide range of operating temperatures makes **UniGap 6000** ideal for medical, aerospace and military applications.

Features

- · Ceramic filled gap filling pad
- Thermal conductivity = 6.0W/mK
- Compliant surfaces on both sides function to reduce interfacial thermal resistance
- · Electrically insulating via high dielectric strength

Availability

- Thicknesses of 0.5mm to 5.0mm in incremental steps of 0.5mm
- Available as custom die-cut shapes and standard sheet sizes of 229mm x 229mm
- Can be supplied with fibreglass reinforcements for additional strength and puncture resistance

Typical Physical Properties

Property (unit)	Test Method	UniGap 6000 (0.25mm)
Colour	Visual	Pink
Thickness (mm)	In House	0.5-6.0
Thermal Conductivity (W/mK)	ASTM D5470	6.0
Hardness (Shore 00)	ASTM D2240	70
Thermal Impedance (°C-inch²/W @ 138KPa)	ASTM D5470	0.16
Operating Temp. (°C)	-	-45 to +190
Flame Rating	UL94	НВ

Benefits

- High thermal conductivity for efficient maximisation of heat transfer to a heatsink or nearby metal work
- Despite high thermal conductivity inherent softness is still exhibited
- Fills micro air voids between contact surfaces for improved thermal performance

Recommended Uses

- For demanding applications where a robust and high performance gap filler is needed
- Cooling portable, military, medical and aerospace electronics
- Additional cooling for FETs or other power devices

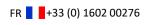
Electrical and Mechanical Information

Property (unit)	Test Method	UniGap 6000 (0.25mm)
Tensile Strength (PSI)	ASTM D412	20
Elongation (%)	ASTM D412	6
Breakdown Voltage (Volts AC)	ASTM D149	>5000
Dielectric Constant (@1MHz)	ASTM D150	3.30
Density (g/cc)	-	1.40
Outgassing CVCM (%)	ASTM E595	0.05



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This material is often used in these industries:







