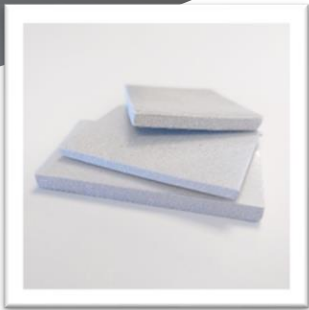


UniGap 7000ES

Soft Gap Filler



UniGap 7000ES is an extremely soft and ceramic-filled silicone gap filler, designed to thermally couple a wide range of heat dissipating components.

UniGap 7000ES is robust and compressible over an extensive range of stack up tolerances where minimal pressure forces are exerted onto component parts. The material can be supplied with a fabric or film liner on one side for additional guaranteed electrical isolation and to provide greater cut through resistance.

Features

- Extremely soft and compliant silicone gap filler
- Thermal conductivity = 7 W/mK
- Exerts very low pressures to devices and components when in operation
- Provides good electrical isolation

Availability

- Thicknesses of 1.0mm to 5.0mm in steps of 0.5mm
- Available as custom die-cut shapes and forms on request and submission of drawing
- Standard sheet sizes of 450x450mm & 225x225mm depending on the thickness

Typical Physical Properties

Property (unit)	Test Method	UniGap 1100ES (2.5mm)
Colour	Visual	Grey
Thickness (mm)	In House	1.0-5.0
Thermal Conductivity (W/mK)	ASTM D5470	7
Hardness (Shore 00)	ASTM D2240	10
Operating Temp. (°C)	-	-40 to +125
Flame Rating	UL94	V-0

Benefits

- Soft and conformable enabling usage with components of multiple heights and sizes with a single pad
- Maintains optimal performance over a wide range of temperatures
- High deflection properties

Recommended Uses

- Typically used in any gap filler application where multiple component height and size differences exist
- Memory cards and VGA modules
- Cooling digital signal processing (DSP) units
- Cooling power devices in AC-DC and DC-DC PSUs

Electrical and Mechanical Information

Property (unit)	Test Method	UniGap 1100ES
Outgassing TML (weight %)	ASTM E595	0.20
Dielectric Constant (1 MHz)	ASTM D150	7.94
Volume Resistivity (Ω-cm)	ASTM D257	1.1 x 10 ¹⁴



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This material is often used in these industries:

