



WAVE ABSORBING GAP FILLING PADS

The new Aavid WaveBlocker has a high electromagnetic wave permeability allowing it to absorb EM wave interference. It's EM absorbing capacity ranges from 10MHz to several GHz. Due to this unique feature, Aavid WaveBlocker pads are ideal for negating problems associated with the noise of EM waves and heat radiation. These pads and sheets are RoHS compliant, halogen free and free from environmentally hazardous substances.

SIZES

Aavid WaveBlocker Thermal Interface Pads are available in full 400mm x 200mm sheets that Aavid can cut and shape to suit your needs. They are also available in easy to use 25.4mm x 25.4mm (1" x 1") and 76.2mm x 76.2mm (3" x 3") pads for quick and simple assembly.

PART NUMBERS

Part Numbers for Aavid Gap Pads are made up of six sections that represent the product, thickness, adhesion and shape. Instructions on how to build your part numbers are available in the document [Building an Aavid Gap Pad Part Number](#).

WAVEBLOCKER PRODUCT LINE DETAILS¹

Product Name	WaveBlocker A008
Thermal Properties	
Thermal Conductivity (W/mK)	0.8
Operating Temp. Range (°C)	-40° - 150°
Thermal Resistance at 10psi (at % Strain) **	9.5 (at 25%)
Thermal Resistance at 20psi (at % Strain) **	7.8 (at 27%)
Thermal Resistance at 40psi (at % Strain) **	6.4 (at 31%)
Mechanical Properties	
Color	Black
Adhesion	Double-Sided
Base Material	Silicone
Carrier / Reinforcement	PET Film
Hardness (ASTM D2240, Shore 00)	48
Density (g/cm ³)	3.3
Tensile Strength (kPa)	25
Thickness Availability (mm)	1, 2 or 3mm
Electrical Properties	
Permeability μ' (1MHz)	10
Volume Resistivity (Ω -m)	$\geq 10^{10}$
Breakdown Voltage (ACKV/mm)	>8.0
Voltage Tolerance (ACKV/mm)	>7.0
Flammability Rating UL94	V-0



FEATURES:

- Radio Wave Absorption
- Flexible, Easy Contouring
- Double-Sided Adhesion
- Halogen Free
- Puncture, Shear and Tear Resistant

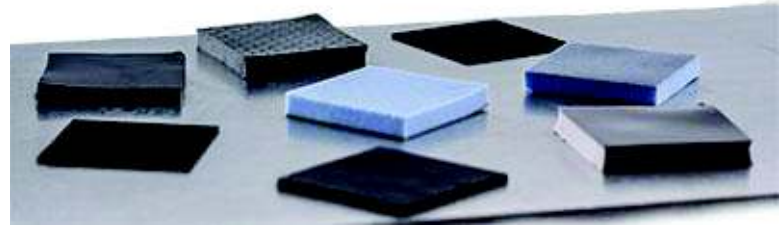
¹ Measurement is for 1mm thickness, information on additional thicknesses is available on request.

² Strain is the ratio of the reduction in pad thickness to the initial thickness of the pad. Thermal resistance is measured in (°C x cm²/W).



AAVID GAP FILLING PAD OPTIONS

Aavid’s line of premium thermally conductive gap filling pads are available in three different product lines, each with unique attributes. Each line is available in a variety of thicknesses with multiple types of adhesion and all pads are available in 25.4mm x 25.4mm (1”x 1”) and 76.2mm x 76.2mm (3”x 3”) sizes as well as full sheets or custom shapes.



Aavid’s smart part numbering system is designed to take each attribute in to account and quickly and easily tell you what pad you are ordering at a glance.

PART NUMBER BREAKDOWN



PRODUCT LINE NAME

A

The three Gap Filler Pad Product Line Names are: *SoftFlex*, *SuperThermal* and *WaveBlocker*.

PRODUCT NAME

B

The Product Name is indicated on the Gap Pad Datasheets. Each Product Name consists of a letter followed by three numerical digits representing the conductivity.

THICKNESS (mm)

C

Thickness is shown as a two digit number with the second digit representing a tenth of a mm. A 1.0mm thickness would be written as “10”.

ADHESION

D

Numbers indicating the type of adhesion:
“00” = Non Adhesive / “01” = Single Sided / “02” = Double Sided

LENGTH (mm)

E

Four digits representing length in mm with the last digit representing a tenth of a mm. A length of 25.4mm (1 in.) would be written as 0254.

WIDTH (mm)

F

Four digits representing width in mm with the last digit representing a tenth of a mm. A length of 25.4mm (1 in.) would be written as 0254.

EXAMPLE

A 76.2mm x 76.2mm (3”x 3”) pad of SoftFlex B016 with a 1mm thickness and single side adhesion would have the part number: **SoftFlex-B016-10-01-0762-0762.**