

TECHNICAL SPECIFICATIONS

Thermal Conductivity	ASTM D5470	12.8 W/m·K
Color	Visual	Gray
Density	ASTM D1475	3.0 g/cm ³
Hardness	ASTM D2240	Shore 00-60
Dielectric Strength	ASTM D149	9.0 kV/mm
Electrically Conductive	N/A	No
Operating Temperature	N/A	-50 to +240 °C
Flame Retardant	UL 94	V-0
Compliance	N/A	RoHS · REACH

SCOPE OF DELIVERY

- 1x FUSION ULTRA thermal pad (per selected variant)
- 1x Eco-friendly paper package with protective support

PRODUCT DESCRIPTION

Fusion Ultra Pad is Amawi Technologies' premium thermal pad, delivering 12.8 W/m·K conductivity for gaming systems, workstations, and demanding electronic cooling applications. The soft Shore 00-60 gray compound conforms to irregular surfaces, eliminating air gaps without applying stress to components. Available in 80×40 mm and 120×20 mm strip formats across thicknesses from 0.5 mm to 2.5 mm. All variants are supplied in eco-friendly paper packaging with a protective film on both faces. No accessories included; pairs well with the FUSION CLEANER KIT.

KEY FEATURES

- 12.8 W/m·K thermal conductivity for gaming systems, workstations, and demanding electronic cooling
- Shore 00-60 softness for optimal surface conformance without mechanical stress on components
- 9.0 kV/mm dielectric strength ensures reliable electrical isolation across all application points
- UL 94 V-0 flame retardant; anti-static, non-corrosive, and long-term stable
- Available in thicknesses from 0.5 mm to 2.5 mm in two formats: 80×40 mm and 120×20 mm strip
- Eco-friendly paper packaging with protective support film on both faces

TYPICAL APPLICATIONS

CPU Heat Spreader	GPU VRAM Cooling	VRM / MOSFETs
M.2 SSD Drives	Laptop Repaste	Console Cooling
Custom Water Loop	Server Components	Embedded Systems

PLEASE NOTE

The specifications in this data sheet are based on our current knowledge and experience. They should not be construed as a legally binding assurance of specific properties or suitability for any particular application. Slight deviations from stated values are possible due to production tolerances. Amawi Technologies reserves the right to modify specifications without prior notice. It is the responsibility of the user to ensure compliance with applicable laws and regulations.

ARTICLE / ORDERING INFORMATION

ARTICLE NO.	QTY	TYPE	PACKAGE SIZE	AVAILABLE AT
AT-FU-80-40-05-P · 10-P · 15-P · 20-P · 25-P	1 pc	Pad Only	17×8×0.5 cm	amawitech.com
AT-FU-120-20-05-2P · 10-2P · 15-2P	2 pcs	Pad Only	17×8×0.5 cm	amawitech.com

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