

## TECHNICAL SPECIFICATIONS

Thermal Conductivity	ASTM D5470	12.8 W/m-K
Color	Visual	Gray
Density	ASTM D1475	2.8 g/cm <sup>3</sup>
Viscosity	Brookfield	90 Pa·s
Electrically Conductive	ASTM D257	No
Operating Temperature	N/A	-50 to +250 °C
Corrosive	N/A	No
Curing Required	N/A	No
Compliance	N/A	RoHS · Non-Conductive

## SCOPE OF DELIVERY

- 1× Resealable retail packaging
- 1× Fusion Ultra thermal paste syringe (2 g or 4 g, per selected variant)
- 2× Isopropyl alcohol cleaning wipes, large format 12 × 15 cm, 99.9% purity
- 1× Application spatula

## PRODUCT DESCRIPTION

Fusion Ultra is Amawi Technologies' premium-tier thermal paste, delivering 12.8 W/m-K conductivity for enthusiasts and professionals seeking exceptional cooling performance without liquid metal complexity. The high-density gray compound spreads evenly across die and heatsink surfaces, filling microscopic imperfections for optimal heat transfer. Compatible with all common heatsink types, heat spreaders, and die sizes. No break-in period required. No electrical shorts risk.

## KEY FEATURES

- High-performance 12.8 W/m-K thermal conductivity for gaming systems, workstations, and demanding cooling scenarios
- Electrically non-conductive; safe for direct contact with exposed components and PCB traces
- Viscosity of 90 Pa·s resists pump-out and dry-out over extended continuous use
- No curing time required; full performance is delivered from the first application
- Non-corrosive and non-toxic; compatible with copper, aluminium, and nickel-plated surfaces
- Wide operating range from -50°C to +250°C covers portable devices to industrial systems

## TYPICAL APPLICATIONS

Desktop CPU	Desktop GPU	Laptop Repaste
PlayStation 4 / 5	Xbox One / Series	Overclocking
Server / Workstation	Embedded Systems	Industrial Electronics

## 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.	CONTENT	PACKAGE DIMENSIONS	AVAILABLE AT
AT-FU-002-R	2 g	20 × 10 × 1.5 cm	amawitech.com
AT-FU-004-R	4 g	20 × 10 × 1.5 cm	amawitech.com

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