VIETAPE
Tape the world

Technical Data Sheet

VieTape GP2801

SYNTHETIC GRAPHITE

DESCRIPTION

VieTape GP2801 synthetic graphite is an extremely light and flexible material synthesized from polymer precursor through high temperature heat treatment process. Derived from the crystal structure of graphite, VieTape GP2801 graphite features an anisotropic and overall high thermal conductance. It possesses unique functions such as eliminating hot spots, shielding components and reducing skin temperature of electronic devices. It is an ideal heat spreader for thermal management in limited space. VieTape GP2801 can be supplied in rolls or die-cut form and can be laminated with plastics, foams and PSA.

APPLICATIONS

- Smart phone
- Notebook
- Ultrabook
- Tablet
- Other consumer electronics
- Optical communication equipments

TYPICAL PERFORMANCE PROPERTIES

Properties	VieTape GP2801	Test method
Color	Dark Grey	Visual
Thickness (mm)	0.025 ± 0.005	ASTM D374
Density (g/cm^3)	≥ 2.1	ASTM D2638 Modified
Thermal Conductivity in-plane (W/mK)	≥ 1700	Thermal Wave
Thermal Conductivity in Z Direction (W/mK)	5 ~ 10	Thermal Wave

Issue date: September 2022

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TYPICAL PERFORMANCE PROPERTIES (cont)

Properties	GP2801	Test method
Continuous Working Temperature (^{0}C)	-55 ~ 400	Thermal Wave
Electrical Conductivity (s/m)	4 x 10^5	ASTM C611
Repeat Bending @180^0, R5 (cycle)	20000	-

The above values are sample observed values, we do not guarantee the actual performance due to the different of application method, design and substrate.. We highly recommend customer to test in the real part

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