

VieTape GP430 Series

NATURAL GRAPHITE

DESCRIPTION

VieTape GP430 series heat spreading materials are natural graphite sheet with high thermal conductivity and high flexibility. It is manufactured entirely from natural graphite flakes with no fillers or binders. 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 GP430 series natural graphite is able to be supplied in sheets , rolls or die-cut form and can be laminated with plastics, foams and PSA.

APPLICATIONS

- Consumer electronics
- Optical communication equipments.

TYPICAL PERFORMANCE PROPERTIES

Vietape GP430 Series	Thermal conductivity (W/mK)	Working temperature (°C)	Specific Heat @50°C(J/gk)	Thickness(mm)
GP430 - 040	>300	-40 to 400	>0.7	0.040 ± 0.010
GP430 - 050	>300	-40 to 400	>0.7	0.050 ± 0.010
GP430 - 060	>300	-40 to 400	>0.7	0.060 ± 0.010
GP430 - 080	>350	-40 to 400	>0.7	0.080 ± 0.010
GP430 - 110	>350	-40 to 400	>0.7	0.110 ± 0.011
GP430 - 137	>350	-40 to 400	>0.7	0.137 ± 0.013
GP430 - 150	>350	-40 to 400	>0.7	0.150 ± 0.015
GP430 - 160	>350	-40 to 400	>0.7	0.160 ± 0.016
GP430 - 180	>350	-40 to 400	>0.7	0.180 ± 0.018
GP430 - 200	>350	-40 to 400	>0.7	0.200 ± 0.020
GP430 - 220	>350	-40 to 400	>0.7	0.220 ± 0.022
GP430 - 280	>350	-40 to 400	>0.7	0.280 ± 0.028
GP430 - 320	>350	-40 to 400	>0.7	0.320 ± 0.032

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VIETAPE MATERIAL TECHNOLOGY CO.,LTD



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TYPICAL PERFORMANCE PROPERTIES

Vietape GP430 Series	Density (g/cm ³)	Electrical Conductivity (S/m)	Tensile Strength (MPa)
GP430 - 040	1.5	1.5 * 10 ⁴	>4
GP430 - 050	1.5	1.5 * 10 ⁴	>4
GP430 - 060	1.5	1.5 * 10 ⁴	>4
GP430 - 080	1.5	1.5 * 10 ⁴	>4
GP430 - 110	1.5	1.5 * 10 ⁴	>4
GP430 - 137	1.5	1.5 * 10 ⁴	>4
GP430 - 150	1.5	1.5 * 10 ⁴	>4
GP430 - 160	1.5	1.5 * 10 ⁴	>4
GP430 - 180	1.5	1.5 * 10 ⁴	>4
GP430 - 200	1.5	1.5 * 10 ⁴	>4
GP430 - 220	1.5	1.5 * 10 ⁴	>4
GP430 - 280	1.5	1.5 * 10 ⁴	>4
GP430 - 320	1.5	1.5 * 10 ⁴	>4

SHELF LIFE AND STORAGE

24 months from date of manufacture when stored at 10 - 30°C and 40 - 50% relative humidity. Avoid extrusion and exposure to the sun.

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

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