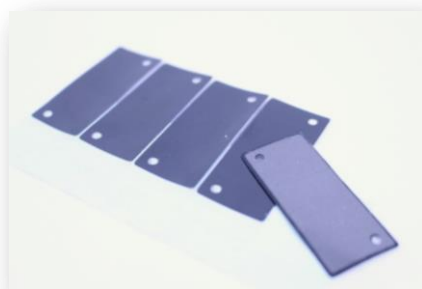


T68AP - 140-20-0.085 - 1A - PT

Artificial Graphite Sheet



Features

Ultra high thermal conductivity, electrical conductivity and EMI shielding effect
Flexible, and bendable
Ultra thin; Low mass; Environmental
Low thermal resistance

Applications

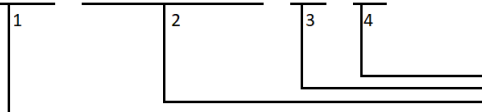
Mobile phone, Laptops, Set-top box, LED back light,
PDP/LCD/OLED screens, Ultra bright LED, Digital camera,
Digital video camera, NIC, Projector, Handheld device etc.

Properties ◆ REACH Compliant ◆ RoHS Compliant ◆ UL Compliant

| Properties | | T68 | Unit | Tolerance | Test Methods |
|-------------------------|---------|----------|---------------------|-----------|----------------|
| Thermal Conductivity | XY axis | 1500 | W / mK | ±100 | AC calorimeter |
| | Z axis | 5 | W / mK | ±0.5 | Laser flash |
| Thickness | | 25 | μm | - | Micrometer |
| Color | | Black | - | - | Visual |
| Flame Rating | | V-0 | - | - | UL-94 |
| Thermal Diffusivity | | 8.5 | cm ² / S | ±0.5 | AC calorimeter |
| Density | | 2.1 | g / cm ³ | ±0.1 | Archimedes law |
| Electrical Conductivity | | >13000 | S / cm | - | JIS K7194 |
| Bending Test | | 10000 | times | - | - |
| Working Temperature | | -40~+400 | °C | - | AC calorimeter |
| Heat Capacity (SHC) | | 0.895 | J / g·K | - | - |

| Type | T68 | T68A | T68AP | T68APF |
|---------------------|--|---|--|--|
| Processing Analysis | No processing | With insulating double-sided adhesive tape underneath (10um/30um) | 1. Standard PET tape on the top (10um/30um) 2. Insulating 2-sided adhesive tape on the bottom (10um/30um) | 1. Standard PET tape on the top (10um/30um) 2. Insulating 2-sided adhesive tape on the bottom (10um/30um) 3. Edge banding |
| Construction | Graphite Sheet | Graphite Sheet Release paper 2-sided adhesive tape | PET Tape Graphite Sheet Release paper 2-sided adhesive tape | PET Tape Graphite Sheet Release paper 2-sided adhesive tape |
| Features | <ul style="list-style-type: none"> Great thermal conductivity and softness of graphite Low thermal resistance Can work under 400°C Electrically conductive | <ul style="list-style-type: none"> Insulating and adhesive on one side Great adhesion, stick closely to the case Breakdown voltage:1KV | <ul style="list-style-type: none"> All surfaces are electrically isolating PET Tape: 1KV 2-sided adhesive tape: 1KV | <ul style="list-style-type: none"> All surfaces are electrically isolating PET Tape: 1KV 2-sided adhesive tape: 1KV |
| Working Temperature | 400°C | 100°C | 100°C | 100°C |
| Overall Thickness | 25um | 35um/55um | 45um/85um | 45um/85um |

T68AP - 140-20-0.085 - 1A - PT



1. Series Number
2. Size (mm): X = 140, Y = 20, Z = 0.085
3. Applied Adhesive: 1A = One Side
4. Authorized Distributor: PT = Prostech

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