

TFUER-T315

Solder Pallet Materials



DESCRIPTION

Tfuer-T315 is a high-performance composite material commonly used as a solder pallet in printed circuit board (PCB) manufacturing processes. It is made of a blend of thermoset epoxy resin and glass fiber fabric, which gives it excellent mechanical strength, thermal stability, and chemical resistance.

Thickness: 3 mm ~ 50 mm.

Dimension: 1020 x 1220 mm, 1220 x 2440 mm.

KEY FEATURES

1. Thermal Resistance
2. Dimensional Stability
3. Precision Machinability
4. Chemical Resistance
5. Durability



APPLICATION

1. **Solder Pallets:** T315 is commonly used for solder pallets due to its excellent heat resistance and structural stability. The material can withstand the high temperatures encountered during wave soldering or reflow soldering processes.
2. **PCB Supports:** Used in Printed Circuit Board (PCB) manufacturing, where it helps to hold PCBs in place during soldering without affecting the board's delicate components.
3. **Heat Insulation Boards:** Used in insulating boards to protect sensitive electronics from heat exposure during assembly and testing processes.
4. **ESD Protection:** Prevents electrostatic discharge damage during assembly.

T315 is widely used in electronics manufacturing, where high-quality and reliable materials are essential for producing complex PCBs.

| Specification Data Sheet | | Unit | T315 |
|----------------------------------|--|---------------------|-----------------------------------|
| Grade | | N/A | Thermal Anti-Static |
| Color | | N/A | Black |
| Density | | g/cm ³ | 2.08 |
| Water Absorption | | % | 0.1 |
| Flexural strength | | MPA(23°C) | 450 |
| | | MPA(150°C) | 250 |
| Coefficient of linear expansion | | 10 ⁻⁶ /K | 10 |
| Thermal conductivity | | W/(m°K) | 0.38 |
| Maximum working temperature | | °C | 350 |
| Continuous working temperature | | °C | 300 |
| Specific surface resistance | | Ω | 10 ⁵ ~ 10 ⁹ |
| Thickness tolerance | | mm | -0.10/+0.10 |
| Flatness tolerance (300 x 300mm) | | mm | 0.2 |
| Chemical resistance | | N/A | Excellent |

All information provided is based on the results of experiments conducted with the utmost care in our laboratories. However, it remains the user's responsibility to conduct additional tests to confirm the material's suitability for specific applications and ensure successful processing and usage.

RoHS Declaration: This material complies with the requirements of the EU Directive 2011/65/EU (RoHS). It does not contain any substances of very high concern (SVHC) as specified in Article 4, Paragraph 1 of the directive.