



High Temperature Artificial Cork

UPIBOARD FB101

**300°C
570°F
Operation**



UPIBOARD FB101 is polyimide board having light weight and high temperature properties.

Features of FB101

- High heat resistance
- Light weight
- Flame resistance
- Low outgassing
- Easy machining

Applications

- Thermal insulator for high temperature
- Electrical insulator for high temperature
- High temperature acoustic insulator
- High temperature gaskets

Properties

| Item | Typical Values | Unit | Test Method |
|----------------------|----------------|---------|------------------|
| Density | 0.6 | g/cc | ASTM D3574(A) |
| Tensile Strength | 6 | MPa | ASTM D638 |
| Compression Modulus | 160 | MPa | |
| Tg | 300 | °C | DSC Analysis(N2) |
| Thermal Conductivity | 0.09 | W/m · K | ASTM C518 |
| Dielectric Constant | 2.5 | 1MHz | ASTM D149 |
| Breakdown Voltage | 4.3 | kV/mm | ASTM D149 |

Dimensions

- Thickness 8mm
- Length × Width 300mm × 300mm

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