

N7000-3

Toughened Polyimide Laminate & Prepreg



Benefits

- Polyimide Resin Chemistry
- Robust Thermal Stability and Reliability
- High Temp Tolerance and Chemical Resistance
- Designed for Use in Severe Conditions

Applications

- Backplanes
- Fine-Line, Surface-Mount and BGA Multilayers
- Avionics
- Down-well Petroleum
- Burn-in Boards



N7000-3 is a next-generation high-Tg polyimide system using a toughened resin chemistry. The product meets UL 94V-1 designation. This advanced material is designed for use in a wide variety of applications that include fine geometry multilayer constructions and extreme reliability. This polyimide also meets NASA requirements for no visible bromine.

Polyimide Resin Chemistry

- | Robust thermal stability and reliability
- | Toughened resin system
- | High temperature tolerance

Excellent Reliability and Performance

- | Withstands multiple thermal excursions
- | Tg 260°C by DSC
- | T-260 >120 minutes
- | Low Z-Axis CTE

Reliable Plated-through Holes

- | Low Z-Axis CTE and toughened polyimide chemistry providing good dimensional stability

Reliable Processing

- | Improved fracture resistance compared with traditional polyimide systems
- | Reduced cure time compared to other traditional polyimide systems

Meets UL 94V-1 and IPC-4101/40, /41 and /42 Specifications

Complies with the old GIJ and GIL specifications

UL file number: E36295

Properties	Conditions	Typical Value	Unit	Test Method
Electrical Properties				
Dielectric Constant	@ 1 GHz	3.5		