



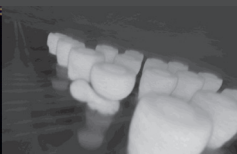
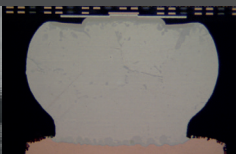
ANALYTICAL SERVICES

Our fields of expertise

- Analytical techniques
 - Failure analysis
 - Surface analysis
 - Material characterization
- Reliability testing

Analytical services

- 2D & 3D X-Ray
- Fourier Transform Infrared Spectrometry (FTIR)
- Inductively Coupled Plasma Emission Spectrometry (ICP)
- Ion milling
- IR laser decapsulation tool
- Acoustic microscopy
- Scanning Electron Microscopy (SEM)
- Plasma-FiB
- X-Ray Photoelectron Spectroscopy (XPS)
- Time Domain Spectroscopy (TDR)
- Thermal Analyzers: DSC, TGA, TMA, DMA
- Thermal Desorption System-Gas Chromatograph-Mass Spectrometer (TD GC/MS)
- Thermal Topography (TherMoiré)
- Vector Network Analyzer (VNA)





Reliability Testing

The product reliability can be evaluated by accelerated aging tests. According to the specifications for the product, several tests can be performed:

- DTC/ATC (thermal cycling)
- HAST (Highly Accelerated Stress Test)
- THB (Temperature, humidity, bias voltage)
- HTS (High Temperature Storage)
- EM (Electromigration)
- Vibration
- Impact shock



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