

Low-Temperature Lead-Free Solder with High Impact Resistance

# TempSave B37



## Improved IMPACT RESISTANCE

### Features

Improved  
Impact Resistance

Reduced  
Voiding

Halogen-free  
Flux Medium

Compatible with Dip  
Application of Paste

### Initial Conditions

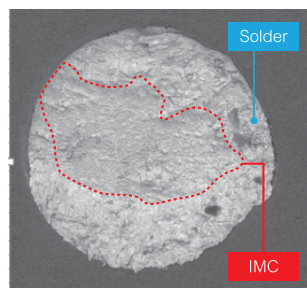
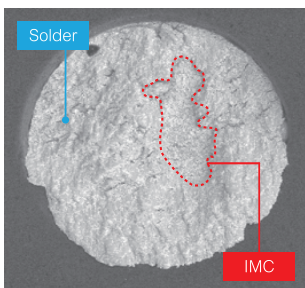
SEM images of fracture section  
after the ball shear test

### Effect of Ageing

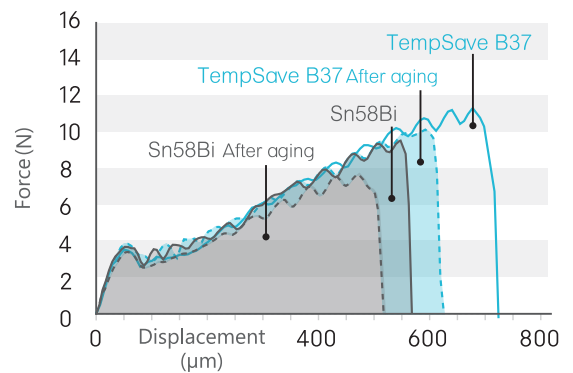
Ball shear test results

### TempSave B37

### Sn-58Bi



Shear direction



In the TempSave B37 more of the crack propagation is through the ductile matrix than the brittle Bi phase so that is more resistant to failure in impact loading

TempSave B37 maintains its strength and ductility even after aging at 80 °C/ 100 hours

\* Above data and photos are based on specific conditions



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