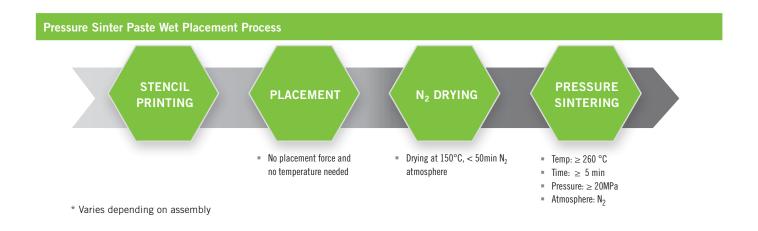
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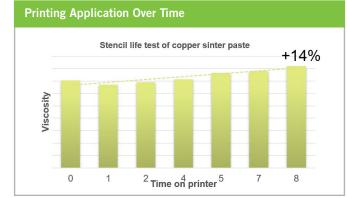
Electronics



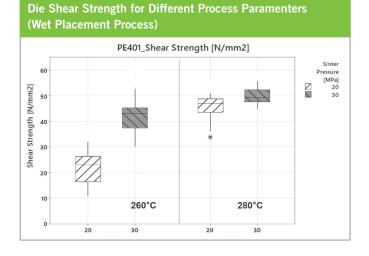
magiCu PE401 Copper Pressure Sinter Paste

magiCu PE401 is an innovative pressure-assist sintering material suitable for die attach application of high power packages. It forms a highly reliable joint with excellent thermal conductivity. This material is lead-free and does not contain halogens and nano particles.





- Excellent printing performance overtime
- Consistent paste deposit volume for high production efficiency
- Stable rheology for long stencil life



Benchmarking: Lead free solder paste vs. magiCu PE401 Cu sinter paste		
Series	Solder Paste SnAg3.5	magiCu PE401
Process Temperature (°C)	~ 250	≥ 260
Thermal Conductivity (W/m.K)	57	> 200
CTE (ppm/K)	27.9	16.7

Product Properties	magiCu PE401	
Alloy	Copper	
Fillers	0 %	
Particle size	≤ 25 µm	
Sinter temperature	≥ 260 °C	
Halogen content	Halogen zero	
Compatible surfaces	Ag, Au, Cu	
Sinter atmosphere	N ₂	
Application/Process		
Printing	Yes	
Features and benefits		
Work life	8 hours	
Shelf life	6 months	
Residue cleaning	Not required	
Storage condition	2 - 10 °C	

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