

Nihon Superior SN100CL Lead-Free Solder Alloy

Category : Metal , Nonferrous Metal , Solder/Braze Alloy , Tin Alloy

Material Notes:

Used for hot air solder leveling (HASL). Features include: Excellent fluidity; Bridge-free coating of the fine pitch circuitry; Bright smooth and uniform coating; Low copper erosion; Formation of stable intermetallic layer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nihon-Superior-SN100CL-Lead-Free-Solder-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	7.50 g/cc	7.50 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength	52.0 MPa	7540 psi	
Elongation at Break	27 %	27 %	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.220 J/g-°C	0.0526 BTU/lb-°F	
Thermal Conductivity	64.0 W/m-K	444 BTU-in/hr-ft²-°F	
Melting Point	227 °C	441 °F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	0.70 %	0.70 %	
Germanium, Ge	<= 0.010 %	<= 0.010 %	
Nickel, Ni	0.050 %	0.050 %	
Tin, Sn	99.25 %	99.25 %	As Remainder

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000150 ohm-cm	0.0000150 ohm-cm	

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