



# PRODUCT DATA SHEET

## No-Residue™ Solderpaste

January, 2008

### DESCRIPTION

- ◆ **IF-SP316-NR/HT** is a Solder paste designed to eliminate cleaning **without compromising on board cosmetics**. The paste has the same chemical and physical characteristics as the IF2005Mz No-Residue flux and The IF14 No-Clean cored solder. The chemistry becomes **totally volatile in the dwell time above reflow**. The solderability of the paste is **excellent even on OSP copper boards**.
- ◆ **IF-SP316-NR/HT** has excellent printing characteristics and stencil-life if fresh paste is added frequently. Squeegee pressure and speed depends on the stencil configuration.
- ◆ **IF-SP316-NR/HT** has sufficient tack to work effectively with high-speed placement equipment. Expected tack life 8 hours.

PHYSICAL PROPERTIES	IF-SP316-NR/HT
Standard Alloy	Sn63 (Sn63,Pb37)
Powder mesh size/shape	-325 +500/Spherical
Metal Content	88%
Test to ANSI/IPC-SF-818	<b>Results</b>
Copper Mirror	Pass
Corrosion	Pass
Silver Chromate	Pass
SIR (7 days @ 85°C – 85% R.H.)	10 <sup>11</sup>
IPC J-STD-004	<b>RELO</b>

The process parameters are application specific. For information on process specifics and parameters call our technical department at 1-800-843-3589

- SAFETY** See the material safety data sheet for the appropriate safety procedures.
- PACKAGING** Available in 500-Gram Jars and cartridges.
- STORAGE** Store in refrigerator at  $\pm 10^{\circ}\text{C}$  - 52°F. Shelf life 12 months under previous conditions.

**“Our commitment to quality and customer service is our most valuable asset”**

The information contained herein is offered free of charge for use by technically qualified personnel at their discretion and risk. All information and recommendations contained herein are based on test and data which we believe to be reliable, but the accuracy or completeness is not guaranteed and no warranty of any kind is made with respect hereto.

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