

## JEAN-151-SAC305-T5

Rev: 21.02

|          |            |
|----------|------------|
| Date     | 2021.08.18 |
| Language | English    |
| SDS      | 950631     |



## SUMMARY

Pb-free - Halide-free - Premium latest technology No-Clean, Fine Pitch solder paste

| PASTE                | JEAN-151-SAC305-T5 |
|----------------------|--------------------|
| <b>PROCESS</b>       |                    |
| No-Clean process     | 9                  |
| Post-solder cleaning | 9                  |

| INDUSTRY APPLICATION            |   |
|---------------------------------|---|
| Standard electronics            | 8 |
| Industrial electronics          | 9 |
| Hi-Rel electronics (automotive) | 9 |

| PROCESS CAPABILITY         |     |
|----------------------------|-----|
| Squeegee                   | 9   |
| ProFlow                    | TBD |
| Pb-free Profile Air, short | 9   |
| Pb-free Profile Air, long  | 8   |
| Pb-free process N2         | 9   |
| Vapor phase process        | 8   |
| Shiny joint appearance     | 8   |
| Cosmetic cleanliness       | 8   |
| ICCT compatible            | N/A |
| Conformal coating          | N/A |

| Legend   |        |
|--|--------|
| <i>Epecially made for this purpose</i>           | 9 - 10 |
| <i>Generally qualified for this purpose</i>      | 7 - 8  |
| <i>Generally usable, but not the best choice</i> | 5 - 6  |
| <i>Generally not usable for this purpose</i>     | 3 - 4  |
| <i>Wrong choice</i>                              | 1 - 2  |

Check material compatibility with every process change!

Industrial chemical product.

Read MSDS before use.

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## CLASSIFICATION

|                              |            |
|------------------------------|------------|
| DIN-EN-ISO-9454-1: 2016      | 1122       |
| IPC-J-STD-004-A: 2004        | ROLO       |
| IPC-J-STD-005: 1995 (Powder) | T5         |
| Particle size                | [µm] 15-25 |

## PROPERTIES

|                        |                                |
|------------------------|--------------------------------|
| Flux code              | M151                           |
| Alloy Code             | SAC3                           |
| Alloy composition      | Sn96.5Ag3Cu0.5                 |
| Liquidus               | [°C] 219                       |
| Solidus                | [°C] 217                       |
| Recommended peak temp. | [°C] 232-260                   |
| Acid number            | [mg KOH/g] 123                 |
| Flux                   | [% w/w] 11.3                   |
| Residues               | Colorless                      |
| Tackiness Malcom TK1   | IPC-TM-650 2.4.44 [gf] @ 0h 60 |

## TEST REPORTS

|                           |   |
|---------------------------|---|
| IPC/ANSI-J-STD-005        | Compliant                                   |
| Certificate of Compliance | Website                                     |
| RoHS Compliant            | Available                                   |
| Application Note          | EN/DE                                       |
| Copper Mirror             | IPC-TM-650 2.3.32 Pass                      |
| Halides                   | IPC-TM-650 2.3.33 [Silver Chromate] Pass    |
| Halide                    | IPC-TM-650 2.3.35.1 [Fluoride by Spot] Pass |
| Copper Corrosion          | IPC-TM-650 2.6.15 Pass                      |
| SIR                       | IPC-TM-650 2.6.3.3 Pass                     |
| ECM                       | IPC-TM-650 2.6.14.1 Pass                    |

## PACKAGING AND STORAGE

|                              |          |      |
|------------------------------|----------|------|
| Packaging jar                | PP [g]   | 500  |
| Packaging cartridge          | HDPE [g] | 650  |
| Packaging cartridge          | HDPE [g] | 1300 |
| Packaging Cassette Pro-Flow  | [g]      | 800  |
| Minimum shelf-life in months | 4-10 °C  | 12   |