

## Lord Adhesives Metech 1130C Platinum Silver Conductor Composition

Category : Polymer , Adhesive

**Material Notes:**

This low cost, platinum silver conductor is designed for general hybrid applications. It employs advanced powders technology with a mix bonded frit system to yield a highly dense film that is resistant to solder leaching. It also exhibits excellent adhesion to beryllium oxide substrates. All information provided by Lord.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lord-Adhesives-Metech-1130C-Platinum-Silver-Conductor-Composition.php](http://www.lookpolymers.com/polymer_Lord-Adhesives-Metech-1130C-Platinum-Silver-Conductor-Composition.php)

| Physical Properties  | Metric   | English                                     | Comments                     |
|----------------------|--|---|------------------------------|
| Brookfield Viscosity | 160000 - 220000 cP<br>@Temperature 25.0<br>Â°C | 160000 - 220000 cP<br>@Temperature 77.0 Â°F | HBT, Spindle #SC4-14 @ 10rpm |
| Thickness            | 11.0 - 13.0 microns                            | 0.433 - 0.512 mil                           | Fired                        |

| Electrical Properties          | Metric        | English       | Comments |
|--------------------------------|---------------|---------------|----------|
| Surface Resistivity per Square | <= 0.0025 ohm | <= 0.0025 ohm |          |

| Processing Properties | Metric                                 | English                             | Comments |
|-----------------------|--|-------------------------------------|----------|
| Shelf Life            | 12.0 Month<br>@Temperature 25.0<br>Â°C | 12.0 Month<br>@Temperature 77.0 Â°F |          |

| Descriptive Properties           | Value | Comments   |
|----------------------------------|-------|--|
| Adhesion                         | 3-4   | lbs; aged (500hrs. at 150Â°C)  |
|                                  | 4-5   | lbs; initial   |
| Coverage (cmÂ²/gm)               | 70-75 | Calculated from 50 micron wet film   |
| Line Resolution (microns)        | 125   |  |
| Solder Leach Resistance (cycles) | 5     | Number of 5-second cycles required to leach 50% of a 10 mil wide conductive line using 62Sn/36Pb/2Ag at 230Â°C |
| Solder Wetting (seconds)         | < 3   | Time required to 100% solder wet 0.08" x 0.08" pad size using 62Sn/36Pb/2Ag at 230Â°C                          |

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