

## Williams Advanced Alloys WS327 Solder

Category : Metal , Nonferrous Metal , Lead Alloy , Solder/Braze Alloy , Pure Element

### Material Notes:

All Williams alloys are available in a variety of shapes and forms, including ribbon, preforms, rod, ring, wire, and custom shapes. Information provided by Williams Advanced Alloys

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Williams-Advanced-Alloys-WS327-Solder.php](http://www.lookpolymers.com/polymer_Williams-Advanced-Alloys-WS327-Solder.php)

| Physical Properties | Metric     | English                   | Comments |
|---------------------|------------|---------------------------|----------|
| Density             | 11.35 g/cc | 0.4100 lb/in <sup>3</sup> |          |

| Mechanical Properties      | Metric   | English  | Comments |
|----------------------------|----------|----------|----------|
| Tensile Strength, Ultimate | 19.0 MPa | 2750 psi |          |

| Thermal Properties   | Metric                                           | English                                            | Comments |
|----------------------|--------------------------------------------------|----------------------------------------------------|----------|
| CTE, linear          | 29.3 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ | 16.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ |          |
|                      | @Temperature 20.0 $^{\circ}\text{C}$             | @Temperature 68.0 $^{\circ}\text{F}$               |          |
| Thermal Conductivity | 15.0 W/m-K                                       | 104 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$ |          |
| Melting Point        | 327 $^{\circ}\text{C}$                           | 621 $^{\circ}\text{F}$                             |          |
| Solidus              | 327 $^{\circ}\text{C}$                           | 621 $^{\circ}\text{F}$                             |          |
| Liquidus             | 327 $^{\circ}\text{C}$                           | 621 $^{\circ}\text{F}$                             |          |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Lead, Pb                      | 100 %  | 100 %   |          |

| Electrical Properties  | Metric            | English           | Comments |
|------------------------|-------------------|-------------------|----------|
| Electrical Resistivity | 0.00002048 ohm-cm | 0.00002048 ohm-cm |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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