

Williams Advanced Alloys WS226 Solder

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

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-WS226-Solder.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|----------|
| Density | 7.37 g/cc | 0.266 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|----------|----------|
| Tensile Strength, Ultimate | 50.3 MPa | 7300 psi | |

| Thermal Properties | Metric | English | Comments |
|----------------------|---|---|----------|
| CTE, linear | 18.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 10.0 $\mu\text{in}/\text{in}\cdot\text{°F}$ | |
| | @Temperature 20.0 °C | @Temperature 68.0 °F | |
| Thermal Conductivity | 29.0 W/m-K | 201 BTU-in/hr-ft ² -°F | |
| Melting Point | 218 - 226 °C | 424 - 439 °F | |
| Solidus | 218 °C | 424 °F | |
| Liquidus | 226 °C | 439 °F | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Antimony, Sb | 1.5 % | 1.5 % | |
| Silver, Ag | 3.5 % | 3.5 % | |
| Tin, Sn | 95 % | 95 % | |

| Electrical Properties | Metric | English | Comments |
|------------------------|-------------------|-------------------|----------|
| Electrical Resistivity | 0.00001445 ohm-cm | 0.00001445 ohm-cm | |

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