

Williams Advanced Alloys WS187 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-WS187-Solder.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|----------|
| Density | 7.25 g/cc | 0.262 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|----------|----------|
| Tensile Strength, Ultimate | 46.9 MPa | 6800 psi | |

| Thermal Properties | Metric | English | Comments |
|----------------------|---|---|----------|
| CTE, linear | 28.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ | 15.6 $\mu\text{in}/\text{in}\cdot\text{°F}$ | |
| | @Temperature 20.0 °C | @Temperature 68.0 °F | |
| Thermal Conductivity | 54.0 W/m-K | 375 BTU-in/hr-ft ² -°F | |
| Melting Point | 175 - 187 °C | 347 - 369 °F | |
| Solidus | 175 °C | 347 °F | |
| Liquidus | 187 °C | 369 °F | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|--------|---------|----------|
| Indium, In | 20 % | 20 % | |
| Silver, Ag | 2.8 % | 2.8 % | |
| Tin, Sn | 77.2 % | 77.2 % | |

| Electrical Properties | Metric | English | Comments |
|------------------------|-------------------|-------------------|----------|
| Electrical Resistivity | 0.00001755 ohm-cm | 0.00001755 ohm-cm | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China