

Williams Advanced Alloys WS295 Solder

Category : Metal , Nonferrous Metal , Lead Alloy , Solder/Braze 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-WS295-Solder.php

Physical Properties	Metric	English	Comments
Density	10.96 g/cc	0.3960 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	29.0 MPa	4200 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	27.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	15.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	27.0 W/m-K	187 BTU-in/hr-ft ² -°F	
Melting Point	252 - 295 °C	486 - 563 °F	
Solidus	252 °C	486 °F	
Liquidus	295 °C	563 °F	

Component Elements Properties	Metric	English	Comments
Antimony, Sb	5.0 %	5.0 %	
Lead, Pb	95 %	95 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00002774 ohm-cm	0.00002774 ohm-cm	

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