

Williams Advanced Alloys WS361 Solder

Category : Metal , Nonferrous Metal , Precious Metal , Gold 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-WS361-Solder.php

Physical Properties	Metric	English	Comments
Density	14.67 g/cc	0.5300 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	185 MPa	26900 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	13.4 $\mu\text{m}/\text{m}\cdot\text{°C}$	7.44 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	44.0 W/m-K	305 BTU-in/hr-ft ² -°F	
Melting Point	361 °C	682 °F	
Solidus	361 °C	682 °F	
Liquidus	361 °C	682 °F	

Component Elements Properties	Metric	English	Comments
Germanium, Ge	12 %	12 %	
Gold, Au	88 %	88 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00001509 ohm-cm	0.00001509 ohm-cm	

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