

## Williams Advanced Alloys WS363 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-WS363-Solder.php](http://www.lookpolymers.com/polymer_Williams-Advanced-Alloys-WS363-Solder.php)

Physical Properties	Metric	English	Comments
Density	15.7 g/cc	0.567 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	255 MPa	37000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	12.3 $\mu\text{m}/\text{m}\cdot\text{°C}$	6.83 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	27.0 W/m-K	187 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	363 °C	685 °F	
Solidus	363 °C	685 °F	
Liquidus	363 °C	685 °F	

Component Elements Properties	Metric	English	Comments
Gold, Au	96.85 %	96.85 %	
Silicon, Si	3.15 %	3.15 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000372 ohm-cm	0.00000372 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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