

## Williams Advanced Alloys WS310 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-WS310-Solder.php](http://www.lookpolymers.com/polymer_Williams-Advanced-Alloys-WS310-Solder.php)

Physical Properties	Metric	English	Comments
Density	11.0 g/cc	0.397 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	31.0 MPa	4500 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	24.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	13.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Thermal Conductivity	29.0 W/m-K	201 BTU-in/hr-ft <sup>2</sup> - $^\circ\text{F}$	
Melting Point	290 - 310 $^\circ\text{C}$	554 - 590 $^\circ\text{F}$	
Solidus	290 $^\circ\text{C}$	554 $^\circ\text{F}$	
Liquidus	310 $^\circ\text{C}$	590 $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Indium, In	5.0 %	5.0 %	
Lead, Pb	90 %	90 %	
Silver, Ag	5.0 %	5.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00002687 ohm-cm	0.00002687 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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