

## Williams Advanced Alloys WS280 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-WS280-Solder.php](http://www.lookpolymers.com/polymer_Williams-Advanced-Alloys-WS280-Solder.php)

Physical Properties	Metric	English	Comments
Density	10.04 g/cc	0.3627 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	33.1 MPa	4800 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	26.5 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	14.7 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 $^{\circ}\text{C}$	@Temperature 68.0 $^{\circ}\text{F}$	
Thermal Conductivity	37.0 W/m-K	257 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	
Melting Point	183 - 280 $^{\circ}\text{C}$	361 - 536 $^{\circ}\text{F}$	
Solidus	183 $^{\circ}\text{C}$	361 $^{\circ}\text{F}$	
Liquidus	180 $^{\circ}\text{C}$	356 $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Lead, Pb	80 %	80 %	
Tin, Sn	20 %	20 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00001977 ohm-cm	0.00001977 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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