

## Williams Advanced Alloys WS185 Solder

Category : Metal , Nonferrous Metal , Indium Alloy , 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-WS185-Solder.php](http://www.lookpolymers.com/polymer_Williams-Advanced-Alloys-WS185-Solder.php)

Physical Properties	Metric	English	Comments
Density	8.52 g/cc	0.308 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	28.6 MPa	4150 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	29.0 W/m-K	201 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	173 - 185 °C	343 - 365 °F	
Solidus	173 °C	343 °F	
Liquidus	185 °C	365 °F	

Component Elements Properties	Metric	English	Comments
Indium, In	60 %	60 %	
Lead, Pb	40 %	40 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00002457 ohm-cm	0.00002457 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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