

# Low Melting Temperature Alloys For Foundry and Casting Work

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## Materials and melting Properties:

<b>Melting Point Deg F</b>	<b>Material</b>	<b>Composition</b>	<b>Notes</b>
255 F	Cerrobaze	55.5% Bismuth, 44.5% Lead	
158 F	Cerrobend	50% Bismuth, 26.7% Lead, 13.3% Tin, 10% Cadmium	
218 F – 338 F	Cerrocast	40% Bismuth, 60% Tin	1
117 F	Cerrolow-117	44.7% Bismuth, 22.6% Lead, 8.3% Tin, 5.3% Cadmium, 19.1% Indium	
134 F – 149 F	Cerrolow-136	49% Bismuth, 18% Lead, 12% Tin, 21% Indium	1
134 F – 139 F	Cerrolow-140	47.5% Bismuth, 25.4% Lead, 12.6% Tin, 9.5% Cadmium, 5% Indium	1
147 F – 149 F	Cerrolow-147	48% Bismuth, 25.6% Lead, 12.8% Tin, 9.6% Cadmium, 4% Indium	1
174	Cerrolow –174	57% Bismuth, 17% Tin, 26% Indium	
162	Woods Metal	50% Bismuth, 25% Lead, 12% Tin, 12.5% Cadmium	
218 F – 440 F	Cerromatrix	48% Bismuth, 28.5% Lead, 14.5% Tin, 9% Antimony	1
160 F – 190 F	Cerrosafe	42.5% Bismuth, 37.7% Lead, 11.3% Tin, 8.5% Cadmium	
240 F – 260 F	Cerroseal	50% Tin, 50% Indium	1
240 F – 260 F	Cerroseal-35	50% Tin, 50% Indium	1
203 F	Cerrosshield	52.5% Bismuth, 32% Lead, 15.5% Tin	
281 F	Cerrottru	58% Bismuth, 42% Tin	
449 F	Tin	100% Tin	
621 F	Lead	100% Lead	
575 F	Lead Hammer Alloy	95.25% Lead, 5.75% Antimony	
715 F – 734 F	Zamack No. 2	92.9% Zinc, 4% Aluminum, 3% Copper, .035% Magnesium	
707 F - 759 F	Zamack No. 8	90.6% Zinc, 8.4% Aluminum, 1% Copper, .032% Magnesium	
710 F - 810 F	Zamack No. 12	88.1% Zinc, 11% Aluminum, .88% Copper, .023% Magnesium	
709 F - 903 F	Zamack No. 27	92.9% Zinc, 27% Aluminum, 2.25% Copper, .015% Magnesium	

**Table Notes:**

1. Has no distinct melting point. Solid / Liquid solutions may exist over range given. Temperatures given are the typical range.

**Sources:**

McMaster Carr

P.O. Box 740100

Atlanta, GA 30374-0100

[atl.sales@mcmaster.com](mailto:atl.sales@mcmaster.com)

<http://www.mcmaster.com/> Search under Foundry Metals