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Jewelry & Pewter Casting Alloys

Alloy Number	Tin	Antimony	Lead	Other	Liquid F	Solid F	Casting Temp F	Suggested uses
Pewter Alloys								
93L	93	2	5	0	455	370	525 to 600	White Metal, high tin alloys with excellent casting characteristics for tailored and elaborate filigree pieces and excellent plating adhesion. Increasing the antimony content gives greater hardness for polishing and fluidity for reproducibility. Increasing the lead content improves ductility if forming is required. These alloys have a low casting temperature for long mold life. The pasty range can be selected for variety of casting sizes. All lend themselves in different degrees to bending and pronging. Excellent for rings, pins, bangles and earrings.
93CDM	93	1.5	4	1.5Cad	430	418	500 to 650	
88CDM	88	3	7.5	1.5Cad	458	448	500 to 600	
88M	88.0	1.5	10.0	.5Cad	458	448	500 to 600	
Crown Pewter Series								
CP1	92	7.75	0	.25Cu	482	468	500 to 600	Lead-free durable pewter alloys have a fine grain, and silver white lustre. Excellent for large, intricate castings with delicate filigree work. High strength for large pieces and domestic flatware.
CP1w/Ag	92	7.5	0	.05Cu .25Ag	482	468	500 to 600	
Optimum Series								
Optimum1	97	0	0	2.5Bi .25Ag .25Cu	441	410	500 to 600	Optimum alloys have high strength, hardness, low shrinkage, and excellent casting characteristics and are the most widely accepted for tailored and semi-tailored jewelry rich in elaborate filigree decoration.
Optimum2	98	0	0	1.5Bi .25Ag .25Cu	447	426	500 to 600	
Optimum3	98.5	0	0	1.0Bi .25Ag .25Cu	449	439	500 to 600	
Optimum4	98.75	0	0	.5Bi .5Ag .25Cu	454	442	500 to 600	
Medium Grade Casting Alloys								
36NC	36	3	61	0	470	358	650 to 700	Suitable for inexpensive jewelry which must have attractive filigree or well textured surfaces.
36CDM	36	3	59	2Cad	450	358	600 to 700	