



Materion produces superior “ultra clean” WAMBRAZE™ brazing alloys in a variety of shapes, sizes and forms to meet your requirements for superior thermal and electrical conductivity. The following chart provides more technical information on our available solder alloys.

WAMBRAZE™ Alloys

WAMBRAZE™	Nominal Composition %	Liquidus		Solidus		Compare To*	AWS/AMS Numbers
		C	F	C	F		
WB1240	Au 92, Pd 8	1240	2264	1200	2192	Paloro	AWS BVAu-8
WB1238	Pd 60, Ni 40	1238	2260	1238	2260	Palni	
WB1169	Au 30, Pd 34, Ni 36	1169	2136	1135	2075	Palniro 4	
WB1121	Au 50, Pd 25, Ni 25	1121	2050	1102	2016	Palniro 1	AMS 4784; AWS BVAu-7
WB1078	Au 10, Cu 90	1078	1972	1063	1945		
WB1037	Au 70, Ni 22, Pd 8	1037	1899	1005	1841	Palniro 7	AMS 4786; AWS BVAu-6
WB1030	Au 35, Cu 62, Ni 3	1030	1886	1000	1832	Nicoro	AWS BAu-3
WB1025	Au 20, Cu 78, In 2	1025	1877	975	1787	Incuro 20	
WB1010	Au 35, Cu 65	1010	1850	990	1814		
WB1005	Au 37.5, Cu 62.5	1005	1841	985	1805		AWS BAu-1
WB1004	Au 35.25, Cu 31, Ni 14, Pd 10, Mn 9.75	1004	1840	971	1780	RI46	
WB1000	Au 40, Cu 60	1000	1832	975	1796		
WB975	Cu 87.75, Ge 12, Ni .25	975	1787	880	1616	Gemco	
WB970	Au 50, Cu 50	970	1778	955	1751		
WB955	Au 82, Ni 18	955	1751	955	1751	Nioro	AWS BAu-4; AMS 4787
WB950	Ag 54, Cu 21, Pd 25	950	1742	900	1652	Palcusil 25	
WB949	Au 31, Cu 33.5, Ni 9.75, Pd 9.75, Mn 16	949	1740	927	1700	RI49	
WB925	Au 81.5, Cu 16.5, Ni 2	925	1697	910	1670	Nicoro 80	
WB900B	Ag 65, Cu 20, Pd 15	900	1652	850	1562	Palcusil 15	
WB895	Au 75, Cu 20, Ag 5	895	1643	885	1625	Silcoro 75	
WB894	Ag 56, Cu 42, Ni 2	894	1640	772	1420	Nicusil 8	AWS BAg-13a; AMS 4765
WB880	Ag 82, Pd 9, Ga 9	880	1616	845	1553	Gapisil 9	
WB850	Ag 65, Cu 28, Mn 5, Ni 2	850	1560	750	1385		
WB853	Ag 58, Cu 32, Pd 10	853	1566	824	1515	Palcusil 10	AWS BVAg-31
WB830	Ag 95, Al 5	830	1526	780	1436		
WB845	Au 60, Cu 20, Ag 20	845	1553	835	1535	Silcoro 60	
WB814	Ag68 Cu27 Pd5	814	1490	794	1463	Palcusil 5	AWS BVAg-30
WB795	Ag 71.15, Cu 28.1, Ni .75	795	1463	780	1436	Nicusil 3	
WB780	Ag 72, Cu 28	780	1435	780	1435	Cusil	AWS BAg-8, BT
WB760	Ag 68, Cu 27, Sn 5	760	1400	743	1369	Cusiltin 5	
WB718	Ag 60, Cu 30, Sn 10	718	1324	602	1116	Cusiltin 10	AMS 4773; AWS BAg-18
WB705	Ag 61.5, Cu 24, In 14.5	705	1301	630	1166	Incusil 15	AWS BVAg-29
WB487	Au 81, In 19	487	909	487	909		
WB361	Au 88, Ge 12	361	682	361	682	Georo	
WB280	Au 80, Sn 20	280	536	280	536	Orotin	
PURE METAL	Ag	962	1763	962	1763		
	Au	1064	1947	1064	1947		
	Cu	1085	1985	1085	1985		
	Ni	1455	2651	1455	2651		
	Pd	1552	2826	1552	2826		
	Pt	1769	3216	1769	3216		

* The competing products listed by the trademarks of their supplier are for industry reference and comparison purposes only.



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MATERION ADVANCED MATERIALS GROUP is a global advanced materials and services company, dedicated to providing solutions that enable our customers' technologies and drive their growth. Our products include precious and non-precious specialty metals, precision optical filters, inorganic chemicals and powders, specialty coatings, specialty-engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems. The Materion business is structured to enhance our ability to provide customers with innovative, best total-cost solutions.