



Materion WAMBRAZE Powder comes in a wide range of solder/braze alloys and in a variety of sieve and mesh sizes to meet your requirements. The following charts provide more information on our high quality brazing solutions for cost-effective soldering.

WAMBRAZE™ Powder

Braze	Nominal Composition %	Liquidus		Solidus		Compare To*	AWS/AMS Numbers
		C	F	C	F		
WBI169	Au 30, Pd 34, Ni 36	1169	2136	1135	2075	Palniro 4	AWS BAu-5
SBI121	Au 50, Pd 25, Ni 25	1121	2050	1102	2016	Palniro 1	AMS 4784; AWS BVAu-7
SBI078	Au 10, Cu 90	1078	1972	1063	1945		
WBI037	Au 70 Ni 22, Pd 8	1037	1899	1005	1841	Palniro 7	AMS 4786; AWS BAu-6
WBI030	Au 35, Cu 62, Ni 3	1030	1886	1000	1832	Nicoro	AWS BAu-3
WBI025	Au 20, Cu 78, In 2	1025	1877	975	1787	Incuro 20	
WBI010	Au 35, Cu 65	1010	1850	990	1814		
WBI005	Au 37.5, Cu 62.5	1005	1841	985	1805		AWS BAu-1
WBI004	Au 35.25, Cu 31, Ni 14, Pd 10, Mn 9.75	1004	1840	971	1780	RI46	
WBI000	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	Niuro	AWS BAu-4; AMS 4787
WB950	Ag 54, Cu 21, Pd 25	950	1742	900	1652	Palcusil 25	AWS BVAg-32
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
WB910	Au 80, Cu 20	910	1670	908	1666		AWS BAu-2
WB895	Au 75, Cu 20, Ag 5	896	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	900	1652	850	1562	Gapasil 9	

Materion's Standard Mesh Sizes Conform to AST/AWS Specifications

Mesh Size	-100/+140	-140/+200	-200/+325	-325
100	40%	40%	5%	15%
140C	5%	50%	25%	20%
140F	0%	25%	25%	50%
200	0%	5%	35%	60%
325	0%	0%	5%	95%

Particle Size vs. Sieve Size

PARTICLE	SIEVE
100	150 um
140C	106 um
140F	75 um
200	45 um

(per ASTM-E11)

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



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MATERION ADVANCE MATERIALS GROUP is a global advanced materials 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.