

As the world's leading producer of Amorphous Braze Filler Metals, Metglas, Inc. continues to expand braze alloy compositions suitable for the most demanding applications. Our new amorphous MBF-90 series braze foil is specifically designed for application in a high temperature and highly corrosive environment.

### **MBF 90 Series Alloy Composition**

Amorphous Metals Designation	Nominal Composition, wt %							Temperature °C (°F)		Mass Density lb/in <sup>3</sup>
	Ni	Cr	Co	Nb	B	Si	Total Others	Solidus	Liquidus	
MBF 90	Bal	-	20	-	2.7	4.0	<0.5	966 (1770)	1060 (1940)	0.303
MBF 91	Bal	14.0	9.0	4.0	4.0	-	<0.5	1065 (1949)	1104 (2019)	0.289
MBF 92	Bal	14.0	9.0	-	4.0	-	<0.5	1064 (1947)	1082 (1980)	0.289

Available as flexible 100% metallic foil having 18-50 µm (0.7-2.0 mil) thickness and 50 mm (2") width. Foil with wider width may be supplied on a special request.

MBF-90 series materials have excellent high temperature and corrosion resistance. These alloys were specifically designed to join super-alloys using TLP bonding.

### **RECOMMENDED APPLICATIONS:**

**AIRCRAFT AND POWER TURBINES, JET ENGINE HONEYCOMBS, HEAT EXCHANGERS, FUEL-CELL ELEMENTS AND CHEMICAL APPARATUSES.**

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**Metglas® Braze Foil Outperforms Alternative Filler Metals**

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Ref: MBFPL10\_15\_2015