

Johnson Matthey Mattibraze 50N Silver Brazing Alloy for Tungsten Carbide Brazing

Category : Metal , Nonferrous Metal , Precious Metal , Silver Alloy , Solder/Braze Alloy

Material Notes:

A cadmium containing alloy for brazing tungsten carbides, beryllium copper, and aluminum bronze to steel. Safety Precautions with Cadmium Containing Alloys: Today the potential danger from cadmium fume is widely recognized. The localized extraction of fumes during brazing is now virtually obligatory. The use of cadmium containing alloys is not permitted in the manufacture of food and drink handling equipment and medical instruments. If cadmium containing alloys are felt likely to cause a health hazard then use a cadmium free alloy from the Johnson Matthey Matti-sil range. Full details on exposure levels (OES) are given in the specific Material Safety Data Sheets. These should always be consulted before use of a cadmium bearing brazing alloy. Optimum Joint Gap 0.1 - 0.25 mm. AMS 4771AWS A5.8-92 BAg-3BS EN 1044 1999 AG351 Federal Specification QQ-B-564 V Equivalent to Engelhard Silvaloy 50N Equivalent to Handy & Harman Easy-flo 3 Information provided by Johnson Matthey.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Johnson-Matthey-Mattibraze-50N-Silver-Brazing-Alloy-for-Tungsten-Carbide-Brazing.php

Thermal Properties	Metric	English	Comments
Melting Point	634 - 656 Å°C	1170 - 1210 Å°F	
Solidus	634 Å°C	1170 Å°F	
Liquidus	656 Å°C	1210 Å°F	

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	16 %	16 %	
Copper, Cu	15.5 %	15.5 %	
Nickel, Ni	3.0 %	3.0 %	
Silver, Ag	50 %	50 %	
Zinc, Zn	15.5 %	15.5 %	

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