

Johnson Matthey Mattibraze 50 Cadmium Containing Silver Brazing Alloy

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

Material Notes:

Very free flowing low melting alloys which are used when there is a need to keep the brazing temperature to a minimum. 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 0.05 - 0.15 mm. AMS 4770AWS A5.8-92 BAg-1a Federal Specification QQ-B-564 IVEquivalent to Engelhard Silvaloy 50Equivalent to Handy & Harman Easy-flo 50Information provided by Johnson Matthey.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Johnson-Matthey-Mattibraze-50-Cadmium-Containing-Silver-Brazing-Alloy.php

Thermal Properties	Metric	English	Comments
Melting Point	625 - 635 Å°C	1160 - 1180 Å°F	
Solidus	625 Å°C	1160 Å°F	
Liquidus	635 Å°C	1180 Å°F	

Component Elements Properties	Metric	English	Comments
Cadmium, Cd	18 %	18 %	
Copper, Cu	15.5 %	15.5 %	
Silver, Ag	50 %	50 %	
Zinc, Zn	16.5 %	16.5 %	

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