

Wall Colmonoy COLMONOY® 98 - Nickel-Based Alloy With Chromium Carbide

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Nickel Alloy

Material Notes:

Description and Application: Nickel-based alloy with superior resistance to corrosive liquids. Low coefficient of friction to reduce metal-to-metal adhesive wear loss. Method of Application: Spraywelder, Fusewelder, HVOF Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-98-Nickel-Based-Alloy-With-Chromium-Carbide.php

Physical Properties	Metric	English	Comments
Density	8.31 g/cc	0.300 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	55 - 60	55 - 60	

Component Elements Properties	Metric	English	Comments
Boron, B	3.2 %	3.2 %	
Carbon, C	0.060 %	0.060 %	
Chromium, Cr	7.9 %	7.9 %	
Copper, Cu	2.5 %	2.5 %	
Molybdenum, Mo	2.0 %	2.0 %	
Nickel, Ni	78.14 %	78.14 %	As Balance
Niobium, Nb (Columbium, Cb)	2.0 %	2.0 %	
Silicon, Si	4.2 %	4.2 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1020 °C	1860 °F	fusing temperature

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