

Wall Colmonoy WALLEX 40 Cobalt-Nickel Alloy

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

Material Notes:

Description: A cobalt-nickel alloy powder that forms deposits similar to those of Wallex 50, but softer. Finished with carbide tools and grinding. Methods of Application: Spraywelder, Fusewelder, PTA, HVOF Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-WALLEX-40-Cobalt-Nickel-Alloy.php

Physical Properties	Metric	English	Comments
Density	9.06 g/cc	0.327 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	41 - 46	41 - 46	

Component Elements Properties	Metric	English	Comments
Boron, B	2.0 %	2.0 %	
Carbon, C	0.60 %	0.60 %	
Chromium, Cr	16.2 %	16.2 %	
Cobalt, Co	46.9 %	46.9 %	As Balance
Iron, Fe	1.3 %	1.3 %	
Nickel, Ni	23.5 %	23.5 %	
Silicon, Si	1.9 %	1.9 %	
Tungsten, W	7.6 %	7.6 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1140 °C	2080 °F	fusing temperature

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