

Wall Colmonoy WALLEX 50 - Cobalt-Nickel Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy

Material Notes:

Description: Good corrosion resistance and low coefficient-of-friction provides good metal-to-metal wear protection (not involving much impact). For bushings, knives and cams. Finished by grinding. Method 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-50-Cobalt-Nickel-Alloy.php

Physical Properties	Metric	English	Comments
Density	9.10 g/cc	0.329 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	56 - 61	56 - 61	

Component Elements Properties	Metric	English	Comments
Boron, B	3.4 %	3.4 %	
Carbon, C	0.80 %	0.80 %	
Chromium, Cr	19 %	19 %	
Cobalt, Co	45.05 %	45.05 %	As Balance
Iron, Fe	1.0 %	1.0 %	
Nickel, Ni	18 %	18 %	
Silicon, Si	2.75 %	2.75 %	
Tungsten, W	10 %	10 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1090 °C	2000 °F	fusing temperature

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