

Wall Colmonoy WALLEX 60 - Cobalt-Nickel Alloy

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

Material Notes:

Description: Uses a cobalt-nickel matrix alloy to hold extremely hard tungsten-carbide particles. Primarily to protect surfaces against severe sliding abrasion. Finished by grinding. Method of Application: Spraywelder Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-WALLEX-60-Cobalt-Nickel-Alloy.php

Physical Properties	Metric	English	Comments
Density	11.9 g/cc	0.430 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	>= 58	>= 58	

Component Elements Properties	Metric	English	Comments
Boron, B	2.3 %	2.3 %	
Carbon, C	2.3 %	2.3 %	
Chromium, Cr	12.35 %	12.35 %	
Cobalt, Co	36.25 %	36.25 %	As Balance
Iron, Fe	0.65 %	0.65 %	
Nickel, Ni	9.0 %	9.0 %	
Silicon, Si	1.75 %	1.75 %	
Tungsten, W	35.4 %	35.4 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1110 °C	2030 °F	fusing temperature

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