

Wall Colmonoy COLMONOY® 635 - Nickel-Chromium-Boron Matrix Alloy With Tungsten Carbide

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

Material Notes:

Description and Application: A nickel-chromium-boron matrix alloy is used to hold extremely hard tungsten-carbide particles. Provides excellent protection against abrasive wear. 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-COLMONOY-635-Nickel-Chromium-Boron-Matrix-Alloy-With-Tungsten-Carbide.php

Physical Properties	Metric	English	Comments
Density	11.46 g/cc	0.4140 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	58 - 63	58 - 63	

Component Elements Properties	Metric	English	Comments
Boron, B	1.9 %	1.9 %	
Carbon, C	2.3 %	2.3 %	
Chromium, Cr	8.2 %	8.2 %	
Cobalt, Co	2.1 %	2.1 %	
Iron, Fe	2.4 %	2.4 %	
Nickel, Ni	49.2 %	49.2 %	As Balance
Silicon, Si	3.1 %	3.1 %	
Tungsten, W	30.8 %	30.8 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1024 °C	1875 °F	fusing temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China