

Wall Colmonoy COLMONOY® 72 - Nickel-Based Alloy With Chromium Carbide

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

Material Notes:

Description and Application: Tungsten content strengthens the nickel matrix, giving this alloy excellent resistance to low-stress abrasion and scouring action. Wear resistance often superior to Colmonoy No. 6. For pump parts. Finished by grinding. Method of Application: Oxyacetylene, DC Electric Arc, GTAW, Spraywelder, PTA Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-72-Nickel-Based-Alloy-With-Chromium-Carbide.php

Physical Properties	Metric	English	Comments
Density	9.51 g/cc	0.344 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	57 - 62	57 - 62	

Component Elements Properties	Metric	English	Comments
Boron, B	2.9 %	2.9 %	
Carbon, C	0.70 %	0.70 %	
Chromium, Cr	13 %	13 %	
Iron, Fe	4.0 %	4.0 %	
Nickel, Ni	62.6 %	62.6 %	As Balance
Silicon, Si	3.8 %	3.8 %	
Tungsten, W	13 %	13 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1060 °C	1940 °F	fusing temperature

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