

Wall Colmonoy COLMONOY® 52 SA - Hard Nickel-Chromium-Boron Alloy Containing Chromium Carbides

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

Material Notes:

Description and Application: Similar to Colmonoy No. 62 SA, but has increased ductility with almost the same abrasion and corrosion resistance. Finished by grinding. Method of Application: Spraywelder, Fusewelder (63), HVOF (63HV) Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-52-SA-Hard-Nickel-Chromium-Boron-Alloy-Containing-Chromium-Carbides.php

Physical Properties	Metric	English	Comments
Density	8.24 g/cc	0.298 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	45 - 50	45 - 50	

Component Elements Properties	Metric	English	Comments
Boron, B	2.2 %	2.2 %	
Carbon, C	0.55 %	0.55 %	
Chromium, Cr	12.3 %	12.3 %	
Iron, Fe	3.8 %	3.8 %	
Nickel, Ni	77.45 %	77.45 %	As Balance
Silicon, Si	3.7 %	3.7 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1070 °C	1950 °F	fusing temperature

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