

Wall Colmonoy COLMONOY® 62 SA - Hard Nickel-Chromium-Boron Alloy Containing Chromium Carbides

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

Material Notes:

Description and Application: Hard nickel-chromium-boron alloy containing Chromium Carbides. Excellent 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-62-SA-Hard-Nickel-Chromium-Boron-Alloy-Containing-Chromium-Carbides.php

Physical Properties	Metric	English	Comments
Density	8.07 g/cc	0.292 lb/in ³	

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

Component Elements Properties	Metric	English	Comments
Boron, B	2.9 %	2.9 %	
Carbon, C	0.60 %	0.60 %	
Chromium, Cr	15 %	15 %	
Iron, Fe	4.0 %	4.0 %	
Nickel, Ni	72.7 %	72.7 %	As Balance
Silicon, Si	4.8 %	4.8 %	

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

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