

Wall Colmonoy COLMONOY® 6 Nickel-Base Hard-Surfacing Alloy With Chromium Boride

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

Material Notes:

Description: The original, nickel-base hard-surfacing alloy, containing diamond-like chromium borides (and carbides). Extremely resistant to wear, especially under corrosive conditions. Low coefficient-of-friction. Can be hot-formed. Finished by grinding. Applications: For shafts, sleeves, valve trim. Method of Application: Oxyacetylene, DC Electric Arc, GTAW, Spraywelder Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-6-Nickel-Base-Hard-Surfacing-Alloy-With-Chromium-Boride.php

Physical Properties	Metric	English	Comments
Density	8.10 g/cc	0.293 lb/in ³	

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

Component Elements Properties	Metric	English	Comments
Boron, B	3.0 %	3.0 %	
Carbon, C	0.70 %	0.70 %	
Chromium, Cr	14.3 %	14.3 %	
Iron, Fe	4.0 %	4.0 %	
Nickel, Ni	73.75 %	73.75 %	As Balance
Silicon, Si	4.25 %	4.25 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1030 °C	1890 °F	fusing temperature

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