

Wall Colmonoy COLMONOY® 5 - Hard-Surfacing Alloy Containing Wear-Resistant Chromium Borides and Carbides

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

Material Notes:

Description: Contains wear-resistant chromium borides and carbides. Has greater ductility, better impact resistance and workability than Colmonoy No. 6 Finished with carbide tools and grinding. Applications: For wear rings, plungers, dies. 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-5-Hard-Surfacing-Alloy-Containing-Wear-Resistant-Chromium-Borides-and-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	2.1 %	2.1 %	
Carbon, C	0.45 %	0.45 %	
Chromium, Cr	13.8 %	13.8 %	
Iron, Fe	4.8 %	4.8 %	
Nickel, Ni	75.55 %	75.55 %	As Balance
Silicon, Si	3.3 %	3.3 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1030 °C	1880 °F	fusing temperature

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