

## Wall Colmonoy COLMONOY® 4 - Hard-Surfacing Alloy With Chromium Boride

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

### Material Notes:

Description: Contains wear-resistant chromium borides and carbides. Has greater impact resistance and workability than Colmonoy No.5.

Finished with carbide tools and grinding.Method of Application: Oxyacetylene, DC Electric Arc, GTAW, Spraywelder Applications: For dies, molds, valves, and plungers. Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wall-Colmonoy-COLMONOY-4-Hard-Surfacing-Alloy-With-Chromium-Boride.php](http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-4-Hard-Surfacing-Alloy-With-Chromium-Boride.php)

Physical Properties	Metric	English	Comments
Density	8.39 g/cc	0.303 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	35 - 40	35 - 40	

Component Elements Properties	Metric	English	Comments
Boron, B	2.1 %	2.1 %	
Carbon, C	0.40 %	0.40 %	
Chromium, Cr	10 %	10 %	
Iron, Fe	2.8 %	2.8 %	
Nickel, Ni	82.3 %	82.3 %	As Balance
Silicon, Si	2.4 %	2.4 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1052 °C	1925 °F	fusing temperature

## Contact Songhan Plastic Technology Co.,Ltd.

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