

Wall Colmonoy COLMONOY® 42 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. 52 SA, but better ductility, less hardness, and slightly less abrasion and corrosion resistance. Finished by carbide tools and 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-42-SA-Hard-Nickel-Chromium-Boron-Alloy-Containing-Chromium-Carbides.php

Physical Properties	Metric	English	Comments
Density	8.50 g/cc	0.307 lb/in ³	

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

Component Elements Properties	Metric	English	Comments
Boron, B	1.15 %	1.15 %	
Carbon, C	0.15 %	0.15 %	
Chromium, Cr	4.0 %	4.0 %	
Iron, Fe	0.10 %	0.10 %	
Molybdenum, Mo	3.0 %	3.0 %	
Nickel, Ni	88.8 %	88.8 %	As Balance
Silicon, Si	2.8 %	2.8 %	

Processing Properties	Metric	English	Comments
Processing Temperature	982 °C	1800 °F	fusing temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China