

Wall Colmonoy COLMONOY® 5 PTA - Nickel-Base Hard Surfacing Alloy With Chromium Boride

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

Material Notes:

Description: Optimized Colmonoy 5 formulation. Designed for PTA Application.Applications: For plasma transferred arc (PTA) application.Information provided by Wall Colmonoy Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wall-Colmonoy-COLMONOY-5-PTA-Nickel-Base-Hard-Surfacing-Alloy-With-Chromium-Boride.php

Physical Properties	Metric	English	Comments
Density	8.14 g/cc	0.294 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	40 - 45	40 - 45	single pass
	47 - 58	47 - 58	double pass

Component Elements Properties	Metric	English	Comments
Boron, B	1.6 %	1.6 %	
Carbon, C	0.75 %	0.75 %	
Chromium, Cr	14.25 %	14.25 %	
Iron, Fe	4.9 %	4.9 %	
Nickel, Ni	73.7 %	73.7 %	As Balance
Silicon, Si	4.8 %	4.8 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1090 °C	2000 °F	fusing temperature

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