

Wall Colmonoy COLMONOY® 4 PTA - Nickel-Base Hard Surfacing Alloy With Chromium Boride

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

Material Notes:

Description: Optimized Colmonoy 4 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-4-PTA-Nickel-Base-Hard-Surfacing-Alloy-With-Chromium-Boride.php

Physical Properties	Metric	English	Comments
Density	8.28 g/cc	0.299 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	30 - 35	30 - 35	single pass
	37 - 42	37 - 42	double-pass

Component Elements Properties	Metric	English	Comments
Boron, B	1.3 %	1.3 %	
Carbon, C	0.55 %	0.55 %	
Chromium, Cr	13 %	13 %	
Iron, Fe	4.0 %	4.0 %	
Nickel, Ni	77.25 %	77.25 %	As Balance
Silicon, Si	3.9 %	3.9 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1120 °C	2050 °F	fusing temperature

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