

Wall Colmonoy COLMONOY® 6 PTA Nickel-Base Hard Surfacing Alloy With Chromium Boride

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

Material Notes:

Description: Optimized formulation to offset dilution and alloy loss from the arc. Designed for PTA Application.Applications: Colmonoy 6 PTA is designed 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-6-PTA-Nickel-Base-Hard-Surfacing-Alloy-With-Chromium-Boride.php

Physical Properties	Metric	English	Comments
Density	7.93 g/cc	0.286 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	49 - 54	49 - 54	single pass
	56 - 61	56 - 61	double pass

Component Elements Properties	Metric	English	Comments
Boron, B	2.1 %	2.1 %	
Carbon, C	1.1 %	1.1 %	
Chromium, Cr	20 %	20 %	
Iron, Fe	5.7 %	5.7 %	
Nickel, Ni	65.5 %	65.5 %	As Balance
Silicon, Si	5.6 %	5.6 %	

Processing Properties	Metric	English	Comments
Processing Temperature	1070 °C	1950 °F	fusing temperature

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