

Introduction

Amorphous Alloy (P) is a cored wire that is specifically designed for arc spray systems. It produces a partially amorphous, hard, abrasive and corrosion resistant coating with the service environment can up to 1600 degrees F. High chrome like finishes can be obtained by typical grinding and lapping techniques. It is widely used in a variety of high wear applications, anti-skid surfacing applications, and corrosive environments. The addition of 9% nickel gives it greater corrosion resistance than FeCrBSi (P) at most environments.

Equivalent: TAFA 90 MXC

Chemical & Physical Properties

Cu%	Cr%	Mo%	Ni%	B%	Si%	Mn%	Fe%
2	23	4	9	2.3	1	1.3	Bal.

Applications

- Boiler Tubes & Tube Shields
- Rolls
- Anti-Skid

Deposit Characteristics

Hardness	HRC 45-50
Bond Strength	5550 PSI
Deposit Rate	10 lbs/hr/100A
Deposit Efficiency	70%
Wire Coverage	0.6 oz/ft ² / mil
Surface Finish	Grind
Abrasion Resistance	Good
Machine ability	No

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs(33 lbs) / spool (D270 spool)
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