

Introduction

Wisdom NiCrAl(P) is a cored wire that is specifically designed for arc spray systems. It produces a self-bonding nickel-chromium-aluminum and the coating has excellent high-temperature oxidation and corrosion resistance performance. NiCrAl(P) can be used for dimensional restoration of parts and it can be widely used in aircraft repair market. The coating can be used as an undercoat for ceramics.

Equivalent: Tafa 73MXC, Oerlikon, Metco 8443, PMET886.

Chemical & Physical Properties

Ni	Cr	Al
Bal.	19	7

Applications

- Oxidation resistance
- Bond coatings
- High temp

Deposit Characteristics

Typical Hardness	HRC 75--85
Bond Strength	9500 psi
Deposit Rate	10lbs/hr/100A
Deposit Efficiency	70%
Wire Coverage	0.8 oz/ft ² / m
Surface Texture	Variable
Machine ability	Good

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	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
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