

WISDOM Thermal Spray Consumables

Iron Base Alloy



Van Carbide (P)

DATA SHEET

November 2015

Introduction

Van Carbide (P) is a cored wire specifically designed for arc spray systems. It produces a hard, well bonded coating that is abrasive.

Surface Preparation

Surface should be clean, white metal, with no oxides (rust), dirt, grease, or oil on the surface to be coated. Note: It is best not to handle surfaces after cleaning.

Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe

Application

- Hardfacing
- Wear resistance

Chemical composition

Ni	C	Mn	Si	Mo	W	V	Fe
0.5	4.0	1.0	1.5	0.5	1.0	16.0	Bal

Typical Deposit Characteristics

Hardness
HRC 55-60

Standard Sizes & Packing

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Diameter	Dimension Tolerance	Packing	Wire Weight
1/16"(1.6mm)	+0/-0.05	D 270 Spool	15kgs(33 lbs)/spool
2.0mm	+0/-0.05	D 270 Spool	15kgs(33 lbs)/spool

Other sizes (diameter and wire weight) can be produced by customers' requirement.