

Introduction

HCr Carbide (P) is a cored wire that is specifically designed for arc spray systems. It produces a hard, well bonded coating that is abrasive and corrosion resistant. HCr Carbide (P) can be easily machined with carbide tools and producing a smooth, low coefficient of friction surface finish and suitable for many applications.

Equivalent: Metco SM 8222, PMET 226

Chemical & Physical Properties

Cr	C	Mn	Si	Fe
28.0	5.0	1.0	1.6	Bal.

Applications

- Boiler Tubes & Tube Shields
- Fan Blades
- Food processing
- Paper processing

Deposit Characteristics

Typical Hardness	HRC 55
Bond Strength	5250 PSI
Deposit Rate	8 lbs/hr/100A
Deposit Efficiency	70%
Wire Coverage	1.0 oz/ft ² / mil
Surface Finish	Grind

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

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

Packaging

Spool	15kgs / spool (D270 spool)
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