

Introduction

Cr3C2 25NiCr powder is similar to Cr3C2 20NiCr. It can both protect against abrasion, various forms of erosion and tribo-corrosion at high temperatures. It is well-known as an alternative to hard chromium plating with good corrosion resistance in sodium chloride, acidic and alkaline environments. HVOF coatings of these materials have good bond strength and dense. Its coatings is more homogeneous than the coatings which is applied using atmospheric plasma spray or combustion powder flame sprayed.

Equivalent: Metco 720/730, FST K-854/856, Praxair 1375, Amperit 588/584

Chemical Composition

C	Cr	Ni	Fe
9.0-10.2%	Bal.	17.5-22.5%	<0.5%

Applications

- Sieves and cones, Hydraulic cylinders and piston rods
- Pump housings, Valve stems, Ship engine valve spindles
- Chemical processing tooling, Turbine components, Boiler coatings

Physical Properties

Morphology	Spherical
Working Temperature	< 870°C
Manufacture	Agglomerated and sintered

Packaging

Bottle	5kg/bottle 4 bottles/box
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