

Introduction

Cr3C2 20NiCr powder is spheroidal, agglomerated and sintered for thermal spray. It contains 80% chromium carbide as a hard, wear-resistant phase and nickel – 20% chromium matrix. It can be used in several purposes. Chromium carbide powder can bear the temperature up to 870 °C (1600 °F) which is higher than tungsten carbide powder. When compared with plasma or combustion powder thermal spray coatings, the coatings using HVOF spray process is very dense and homogeneous, meanwhile it also has very good bond strength.

Equivalent: Metco 710/3007, FST K-804, Praxair CRC 351, Amperit 586

Chemical Composition

Cr	C	Ni	Fe
Bal.	9.6-10.8%	13.5-18.5%	<0.5%

Applications

- Hydraulic cylinders, Sieves and cones
- Dampening fountain rollers
- Furnace rolls in metal production
- Boiler coatings

Physical Properties

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

Packaging

Bottle	5kg/bottle 4 bottles/box
---------------	--------------------------