

Introduction

88WC-12Co is a tungsten carbide powder for HVOF thermal spray coatings. The performance feature is low temperature, wear resistance and corrosion resistance. The Operating temperatures can up to 900 °C F (482 °C). It is widely used for variety of high wear applications including erosion, abrasion and sliding wear.

Equivalent: PMET 88-12

Chemical & Physical Properties

Carbon total	Free Carbon	Fe	WC	Co	O	Flow Rate(s/50g)	Apparent Density (g/cm ³)
5.20-5.70	≤0.10	≤0.5	87.0-89.0	11.0-13.0	≤0.10	≤25	4.4-5.2

Applications

- The metallurgical industry guide roller, conveyor roller, sink stick
- A per printing machinery corrugated stick, anilox stick, pressure bachelor and so on
- Water conservancy, mining and other industries spiral rod, impeller, etc. to strengthen the repair

Typical Deposit Characteristics

HV0.3	950-1350
Porosity %	AVG < 1%
Bonding strength	> 70Mpa
Deposition efficiency	≥45%

Standard Sizes & Packaging

Bottle	5kg/bottle 4 bottles/box
Granularity	-45/+15µm