

PRODUCT OVERVIEW

PMET 88-12 is a tungsten carbide cobalt powder specifically designed for HVOF systems. It produces a hard, abrasive and corrosion resistant coating, with a service environment up to 900° F (482° C). High chrome like finishes can be obtained by typical grinding or lapping techniques. PMET 88-12 is ideal for use in a wide variety of high wear applications including erosion, abrasion and sliding wear.

TYPICAL DEPOSIT CHARACTERISTICS:

- ⇒ Typical Hardness: HRC 73
- ⇒ Bond Strength: 10,000+ psi
- ⇒ Powder Coverage: 0.16 lb/ft² / .001" thickness

* powder coverage can vary depending on spray device and parameters used.

APPLICATION

- ⇒ Hydro Power Generation (buckets, runners)
- ⇒ Fan blades
- ⇒ Dies
- ⇒ Valve seats
- ⇒ Oil field apparatus
- ⇒ Other erosion, abrasion and sliding wear protection

HAZZARDS:

Observe safe spraying practices. See Polymet material safety data sheet for details.

POWDER MORPHOLOGY

Spherical, agglomerated and sintered

NOMINAL CHEMICAL COMPOSITION (wt%)

WC	Co
88.0	12.0

RECOMMENDED SPRAY PARAMETERS:

Parameters vary depending on equipment used. Contact your equipment manufacturer for optimum spray parameters:

STANDARD SIZES & PACKAGING:

Particle Size	Packaging	Part Number
-45/+15 microns	10 lb bottles	8812POWDER01