Datasheet

# TMPK120

June 2020

| Alloy | WC | Co | Cr | Others |
|---|---|---|---|---|
| **TMPK120** | 86 | 10 | 4 | - |
| **Chemical Name:** | Tungsten Carbide - Cobalt - Chromium | | | |
| **Powder Morphology:** | Agglomerated and sintered | | | |
| **Particles Sizes Available:** | -150/+53, -45/+15 and others upon request | | | |
| **Typical Hardness:** | 70 HRC | | | |

## Application:

- Fan blades
- Compressor shafts
- Ball and gate valves
- Other erosion and abrasion wear applications

## Process:

- HVOF (High-Velocity Oxy-Fuel Spray)
- 3D Printing

## Hazards:

Observe safe spraying practices.

See Tormetal material safety data sheet for details.

## Standard Sizes & Packaging:

| Particle Size | Packaging |
|---|---|
| 150/+53 microns | 10lb/ bottle |
| -45/+15 microns | |

And others upon request

## Product Overview

**TMPK120** is a tungsten carbide-cobalt-chrome powder and can be applied by using HVOF spray. It is particularly suitable when both wear and corrosion resistance is required. TMP3120 produces excellent wear and corrosion resistance coatings that can be ground to surface finishes like chromium plating. Thus, TMP3120 is an excellent alternative to hard chromium plating.

**Contact:** tmetal.com/contact