

TMP06

June 2020



Alloy	Co	Cr	W	C	Others
TMP06	Balance	30	4.5	1.2	Si, Fe, Mo, Ni, Mn
Chemical Name:	Cobalt-Chromium-Tungsten-Carbon				
Powder Morphology:	Gas Atomized				
Particles Sizes Available:	-150/+53, -45/+15 and others upon request				
Typical Hardness:	38-44 HRC				

Application:	Process:
<ul style="list-style-type: none"> Valve seats and gates Turbo engine blades Pump shafts and bearings Other erosion and abrasion wear applications 	<ul style="list-style-type: none"> PTA (Plasma Transferred Arc) HVOF (High-Velocity Oxy-Fuel Spray) Laser Cladding 3D Printing

Hazards:	Standard Sizes & Packaging:								
<p>Observe safe spraying practices.</p> <p>See Tormetal material safety data sheet for details.</p>	<table border="1"> <thead> <tr> <th>Particle Size</th> <th>Packaging</th> </tr> </thead> <tbody> <tr> <td>-150/+53 microns</td> <td>5kg/ bottle</td> </tr> <tr> <td>-45/+15 microns</td> <td></td> </tr> <tr> <td colspan="2">And others upon request</td> </tr> </tbody> </table>	Particle Size	Packaging	-150/+53 microns	5kg/ bottle	-45/+15 microns		And others upon request	
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Product Overview

TMP06 is a tungsten carbide-cobalt-chrome powder specifically designed for PTA, HVOF and Laser cladding systems. TMP06 is the most popular alloy and regarded as the industry standard for general-purposes wear resistance applications. It produces tougher corrosion and abrasion resistant coatings over an intensive temperature range while retain reasonable properties.

Contact: tmetal.com/contact