



Alloy	Co	Cr	Ni	Mo	Others
TMP21	Balance	28	2.5	5.5	Si, Fe, C, Mn
Chemical Name:	Cobalt-Chromium- Nickel-Molybdenum				
Powder Morphology:	Gas Atomized				
Particles Sizes Available:	-150/+53, -45/+15 and others upon request				
Typical Hardness:	25-38 HRC				

Application:	Process:
<ul style="list-style-type: none"> ▪ Ball and gate valves ▪ Valve seats ▪ Seal rings ▪ 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

TMP21 consists of CoCrMo alloy matrix with solid solution strength. It can be processed by PTA, HVOF, and Laser cladding. TMP21 can retain its properties at high temperatures and is known as its excellent cavitation, galling and metal-to-metal sliding wear resistance. However, it's not recommended for severe hard particle abrasion.

Contact: tmetal.com/contact