



Product Overview

TM6B rod and sheet provide superior wear resistance and corrosion resistance and retain excellent mechanical properties at high temperatures. Products made of TMR6B easily combat hostile environment, thus have a long service life. They are ideal when lubricants cannot be used. Applications involves chemical equipment, directional drilling tools, pulp agitators, as well as aerospace components.

Chemical Composition	Co	Cr	W	Ni	Others
TM6B	Balance	30	4.5	3.0	Si, Fe, Mn, Mo, C

Powder Properties	
Chemical Name:	Cobalt-Chromium-Tungsten-Nickel
Typical Hardness:	33-43 HRC
Tensile Strength:	130 ksi (896 MPa) MIN
Yield Strength:	70 ksi (483 MPa) MIN at 0.2% offset
Elongation in 4D:	5% MIN

Application:

- Chemical equipment
- Drilling tools
- Pulp agitators
- Aerospace components
- Other erosion and abrasion wear applications

Specification:

AMS 5894

Standard Sizes & Packaging	Diameter/Thickness	Packaging
TMR6B (Rod)	0.312"-6.0" (7.92 – 152.4mm)	Full lengths or cut pieces
TMR6B (Sheet)	0.031"-1.0" (0.79 – 25.4 mm)	Full sheets or cut pieces

Contact: tmetal.com/contact