



Product Overview

TMCoStrip is an extremely high purity cobalt strip that brings excellent ductility and formability. It is intensively used in manufacturing hardfacing welding wires, deep drawing applications, and magnetic applications. It is also seen to be used as a catalyst in diamond production due to its high purity.

Chemical Composition	Co	Ni	Fe	Mn	C	Si	Al	S	P
Typical Value	Balance								
Min.		3.0							
Max.		4.5	6.0	1.0	0.05	0.3	0.02	0.01	0.01

Mechanical and Physical Properties	
Tensile Strength	80,000 psi
Yield Strength	2,0000 psi
Elongation	60%
Hardness	140 VHN
Deep Drawing Ability	10.5 to 11.5 mm
Density	8.75 g/cc
Melting Point	1485°C

Application:

- Hardfacing welding wire
- X-ray tubes
- Magnetic applications
- Catalyst for synthetic diamond production
- Anodes for electroplating
- Deep draw applications

	Standard Size	Standard Tolerance
Thickness	0.002'' - 0.050''	±5%
Width	Up to 12''	Under 1'': ±0.003'' Over 1'': ±0.005''

Contact: tmetal.com/contact