

## Kennametal Stellite Tribaloy® T-400 Cobalt Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

**Material Notes:**

Kennametal Stellite's cobalt base alloys are available as cobalt rods, cobalt electrodes, cobalt wire and cobalt powder. The Tribaloy family of cobalt alloys feature a hard inter-metallic Laves phase, dispersed in a tough matrix of eutectic or solid solution. They exhibit outstanding resistance to high temperature wear, galling and corrosion and are particularly suitable for use where lubrication is a problem. Information provided by Kennametal Stellite.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kennametal-Stellite-Tribaloy-T-400-Cobalt-Alloy.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Tribaloy-T-400-Cobalt-Alloy.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	51 - 57	51 - 57	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	8.5 %	8.5 %	
Cobalt, Co	>= 55.62 %	>= 55.62 %	as balance
Iron, Fe	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	29 %	29 %	
Nickel, Ni	<= 1.5 %	<= 1.5 %	
Other	<= 1.0 %	<= 1.0 %	
Silicon, Si	2.8 %	2.8 %	

Descriptive Properties	Value	Comments
Application Technique	HVOF & thermal spray	
	PTA & laser deposition	

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