

## Kennametal Stellite® 712 Cobalt Alloy

**Categories:** [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.

Cobalt alloys are used primarily for wear applications and are particularly well-suited for hardfacing applications.

Information provided by Kennametal Stellite™

**Vendors:** [Click here to view all available suppliers for this material.](#)

Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Component Elements Properties	Metric	English	Comments
Carbon, C	2.0 %	2.0 %	
Chromium, Cr	29 %	29 %	
Cobalt, Co	>= 54.5 %	>= 54.5 %	as balance
Iron, Fe	<= 2.0 %	<= 2.0 %	
Molybdenum, Mo	8.5 %	8.5 %	
Nickel, Ni	<= 2.0 %	<= 2.0 %	
Other	<= 1.0 %	<= 1.0 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

### Descriptive Properties

Application Technique PTA & laser deposition

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.