

## Kennametal Stellite Tribaloy® T-800

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

**Material Notes:**

**Applications:** Used in applications with high temperatures and severe wear, abrasion, and corrosion. **Weldability:** Can be PTA welded with a preheat of 538Å°C (1000Å°F) or higher. **Wear:** Wear test data: Method: block-on-ring; Block: alloy specimen; Ring: SAE 4620 steel, Rc 58-63, RMS 22-28 microns; Load: 90, 150, 210 lbs.; Sliding distance: 220 meters (2000 revolutions). Wear volume 90 lb. load: 0.000007(in^3), 150 lb. load: 0.000066(in^3), 210 lb. load: 0.000094(in^3); Mean wear scar width 90 lb. 0.06(in), 150 lb. 0.13(in), 210 lb. 0.15(in); Friction force 90 lb. 41(lb), 150 lb. 64(lb), 210 lb. 77(lb). Data provided by the manufacturer, Deloro Stellite, Inc. Product of former Deloro Stellite Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kennametal-Stellite-Tribaloy-T-800.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Tribaloy-T-800.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	58	58	Retains high hardness up to 2640Å°F (1450Å°C).
Tensile Strength, Ultimate	700 MPa	102000 psi	
Elongation at Break	<= 1.0 %	<= 1.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	18 %	18 %	
Cobalt, Co	49.52 %	49.52 %	As remainder
Molybdenum, Mo	28 %	28 %	
Nickel, Ni	<= 1.0 %	<= 1.0 %	
Silicon, Si	3.4 %	3.4 %	

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