Data sheet

# TMP T-800

Aug 2025

| Alloy | Co | Cr | Mo | C | Si | Others |
|---|---|---|---|---|---|---|
| **TMP T-800** | Balance | 17.5 | 28.5 | ＜0.08 | 3.4 | Ni, Fe |
| **Powder Type:** | Gas Atomized | | | | | |
| **Particles Sizes Available:** | -150/+45μm, -180/+53μm, and others upon request | | | | | |
| **Typical Hardness:** | 54-62 HRC | | | | | |
| **Apparent Density:** | - | | | | | |
| **Flow Rate:** | - | | | | | |

## Application:

- Valve seats
- Cutting blades
- Seal rings
- Other erosion and abrasion wear applications

## Process:

- PTA (Plasma Transferred Arc)
- Laser Cladding

## Hazards:

Observe safe practices.

See TMetal material safety data sheet for details.

## Standard Sizes & Packaging:

| Particle Size | Packaging |
|---|---|
| -150/+45μm, -180/+53μm | 5kg/ bottle |

And others upon request

## Product Overview

**TMP T-800** was designed to resist high temperature wear and abrasion and has exceptional oxidation and corrosion resistance due to its high chromium content.T-800 exhibits outstanding resistance to galling and is particularly suitable where lubrication is a problem.TMP T-800 has been used in a wide range of applications, most notably as a wear surface in aircraft engines. Other applications include galvanizing roll bushings, cams, retainer rings, diesel piston rings, mechanical seals, bearing seats, valve trim, and pump components.

**Contact: tmetal.com/contact**

Toronto Canada

contact@tmetal.com | 45A West Wilmot Street, Richmond Hill, ON, L4B 2P3, Canada