

## Plansee INERMET® IT180 Tungsten-Nickel-Copper Alloy

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Refractory Metal , Tungsten Alloy

### Material Notes:

Characteristics:Non-MagneticEasy processingHigh densityPrecision forming and machiningHigh ductilityHigh strength100 % impermeableTypical Applications:Balancing weights in motors and drive componentsVibration dampers in motors and drive componentsCollimator and shielding components for X-ray and gamma radiation protectionAviation and aerospace: propeller and helicopter bladesWatch industry: bobs on watch rotorsSports equipment: golf clubsOptical industry: microscopes and measuring instrumentsInformation provided by Plansee.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plansee-INERMET-IT180-Tungsten-Nickel-Copper-Alloy.php](http://www.lookpolymers.com/polymer_Plansee-INERMET-IT180-Tungsten-Nickel-Copper-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	18.0 g/cc	18.0 g/cc	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	360 GPa	52200 ksi	

Component Elements Properties	Metric	English	Comments
Other, total	5.0 %	5.0 %	Ni + Cu
Tungsten, W	95 %	95 %	

Descriptive Properties	Value	Comments
Ductility	much greater than pure W	
Fineness of Grain	greater than pure W	
Machinability/Workability	much greater than pure W	

## Contact Songhan Plastic Technology Co.,Ltd.

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