

## Plansee DENSIMET® D170 Tungsten-Nickel-Iron Alloy

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

### Material Notes:

Characteristics: Easy processing High density Precision forming and machining High ductility High strength 100 % impermeable Typical

Applications: Balancing weights in motors and drive components Vibration dampers in motors and drive components Collimator and shielding components for X-ray and gamma radiation protection Aviation and aerospace: propeller and helicopter blades Sports equipment: golf clubs Optical industry: microscopes and measuring instruments Information provided by Plansee.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plansee-DENSIMET-D170-Tungsten-Nickel-Iron-Alloy.php](http://www.lookpolymers.com/polymer_Plansee-DENSIMET-D170-Tungsten-Nickel-Iron-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	17.0 g/cc	17.0 g/cc	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	340 GPa	49300 ksi	

Component Elements Properties	Metric	English	Comments
Fe + Ni	10 %	10 %	
Tungsten, W	90 %	90 %	

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.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China