

Plansee DENSIMET® D176 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-D176-Tungsten-Nickel-Iron-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	17.6 g/cc	17.6 g/cc	

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

Component Elements Properties	Metric	English	Comments
Fe + Ni	7.0 %	7.0 %	
Tungsten, W	93 %	93 %	

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

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